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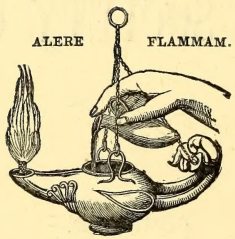

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LIST

OF

BOOKS NOT ALLOWED TO CIRCULATE.

Agassiz. Nomenclator Zoologicus. 4 vols.
Brongniart. Végétaux fossiles. 3 vols.
Cotta. Gesteinslehre.
Dana. System of Mineralogy. Ed. 1868.
Dictionaries.
Fitton. Articles from the 'Edinburgh Review.'
Geinitz. Versteinerungen der Steinkohlenformation in Sachsen.
——. Geognostische Darstellung der Steinkohlenformation in Sachsen.
Hutton. Geological MSS.
Jukes. Manual of Geology. Geikie's ed., 1872.
Lindley and **Hutton.** Fossil Flora. 3 vols.
Macgillivray. Natural History of Dee Side and Braemar.
Mackenzie. The Architectural Antiquities of the Chapel of St. Stephen.
Morris. Catalogue of British Fossils.
Naumann. Mineralogie.
Nicholson. Manual of Palæontology. 2 vols., 1879.
Oldham. Irawadee.
d'Orbigny. Paléontologie Française.
Pascoe. Zoological Classification. 2nd edition, 1880.
Phillips. Mineralogy. 4th ed.
Pictet and Roux. Mollusques fossiles des Grès Verts.
Royal Society. Catalogue of the Library.
——. Catalogue of Scientific Papers.
Senft. Felsarten.
Tchihatcheff. Altaï oriental.
Von Meyer. Saurier. 6 vols.

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A.

A * * * (J., M.D.). An examination of Dr. Woodward's account of the Deluge, etc.; with a Letter to the Author concerning an abstract of Agostino Scilla's Book on the same subject, by W. W., F.R.S. (Tract.) 8vo. *London*, 1697.

Abbadie (Antoine Thomson d'). Note sur le Haut Fleuve Blanc. (Tract.) 8vo. *Paris*, 1849.

Abbot (H. L.). See HUMPHREYS, A. A.

Abbott (Francis). Results of Five Years' Meteorological Observations for Hobart Town; with which are incorporated the results of Twenty-five Years' Observations previously published by the Royal Society of Tasmania, and completing a period of Thirty years. (Tract.) 4to. *Hobart Town*, 1872.

——. See SERIALS, etc.: HOBART TOWN. Royal Society of Tasmania.

Abel (Clarke). Narrative of a journey in the interior of China, and of a voyage to and from that country in the years 1816–17. 4to. *London*, 1819.

Abert (J. W.). Journal from Bent's fort to St. Louis, in 1845. (Tract.) 8vo. *Washington*, 1846.

Abich (Hermann). Vues Illustratives de Phénomènes Géologiques observés sur le Vésuve et l'Etna, pendant les Années 1833 et 1834. Fol. *Berlin*, 1837.

——. Ueber die Natur und den Zusammenhang der vulkanischen Bildungen. 4to. *Brunswick*, 1841.

——. Ueber die Soda der Araxes-Ebene in Armenien. (Tract.) 8vo. *St. Petersburg*, 1850.

——. Verzeichniss einer Sammlung von Versteinerungen von Daghestan, mit Erläuterungen. 8vo. *Berlin*, 1851.

——. Vergleichende chemische Untersuchungen der Wasser des caspischen Meeres, Urmia- und Van-See's. (Tract.) 4to. *St. Petersburg*, 1856.

Abich (Hermann). Ueber die neue geologische Karte von Europa von André Dumont, Paris et Liége 1857. (Tract.) 2 copies. 8vo. *St. Petersburg*, 1857.

——. Ueber die Erscheinung brennenden Gases im Krater des Vesuv im Juli 1857, und die periodischen Veränderungen welche derselbe erleidet. (Tract.) 2 copies. 8vo. *St. Petersburg*. 1858.

——. Vergleichende geologische Grundzüge der kaukasischen, armenischen und nordpersischen Gebirge. Prodromus einer Geologie der kaukasischen Länder. 4to. *St. Petersburg*, 1858.

——. Beiträge zur Paläontologie des asiatischen Russlands. 4to. *St. Petersburg*, 1858.

——. Sur la Structure et la Géologie du Daghestan. (Tract.) 4to. *St. Petersbury*, 1862.

——. Ueber eine im caspischen Meere erschienene Insel, nebst Beiträgen zur Kenntniss der Schlammvulkane der caspischen Region. 4to. *St. Petersburg*, *Riga*, *and Leipzig*, 1863.

——. Aperçu de mes voyages en Transcaucasie en 1864. (Tract.) 8vo. *Moscow*, 1865.

——. Beiträge zur geologischen Kenntniss der Thermalquellen in den kaukasischen Ländern. (Tract.) 4to. *Tiflis*, 1865.

——. Einleitende Grundzüge der Geologie der Halbinseln Kertsch und Taman. 4to. *St. Petersburg*, *Riga*, *and Leipzig*, 1865.

——. Zur Geologie des südöstlichen Kaukasus. Bemerkungen von meinen Reisen im Jahre 1865. (Tract.) 8vo. *St. Petersburg*, 1866.

——. Geologische Beobachtungen auf Reisen in den Gebirgsländern zwischen Kur und Araxes. 2 copies. 4to. *Tiflis*, 1867.

——. Hailstones in Russian Georgia. (Tract.) 8vo. *London*, 1869.

——. On Fulgurites in the Andesite of the Lesser Ararat, etc. (Tract.) 8vo. *London*, 1869.

——. Der Ararat in genetischen Beziehung betrachtet. (Tract.) 8vo. *Berlin*, 1870.

——. Etudes sur les glaciers actuels et anciens du Caucase. 1re partie. (Tracts). 2 copies. 8vo. *Tiflis*, 1870.

——. Bemerkungen über die Geröll- und Trümmerablagerungen aus der Gletscherzeit im Kaukasus. (Tract.) 8vo. *St. Petersburg*, 1871.

——. Geologische Forschungen in den kaukasischen Ländern, 1. Theil. Eine Bergkalkfauna aus der Araxesenge bei Djoulfa in Armenien. (Tract.) 4to. *Vienna*, 1878.

——. Ueber die Productivität und die geotektonischen Verhältnisse der kaspischen Naphtaregion. (Tract.) 8vo. *Vienna*, 1879.

Abildgaard (Sören). Beschreibung von Stevens Klint und dessen natürlichen Merkwürdigkeiten, etc. 8vo. *Copenhagen* and *Leipzig*, 1764.

——. Physikalisch-mineralogische Beschreibung des Vorgebirges auf der Insel Möen. (Tract.) 8vo. *Copenhagen*, 1783.

Abreu (José Maria d'). Biographia do excellentissimo senhor Agostinho José Pinto de Almeida. (Tract.) 4to. *Coimbra*, 1848.

Academies. See Serial and Academical Publications.

Accum (Frederick). A Practical Essay on the Analysis of Minerals. 8vo. *London*, 1804.

——. Elements of Crystallography. 8vo. *London*, 1813.

Accum (Frederick). A practical treatise on Gas-light. 8vo. *London*, 1815.

Acerbi (Giuseppe). Quadro della Letteratura e delle Arti d'Italia nell' anno 1820. (Proemio nel Volume xxi. della *Biblioteca Italiana.*) 8vo. *Milan*, 1821.

Acheson (F.). See VICTORIA.

Achiardi (Antonio d'). D'alcune caverne e brecce ossifere dei Monti Pisani. (Tract.) 8vo. *Pisa*, 1867.

——. Studio comparativo fra i Coralli dei terreni terziari del Piemonte e dell' Alpi Venete. (Tract.) 4to. *Pisa*, 1868.

——. Sopra alcuni minerali dell' Elba. (Tract.) 8vo. *Pisa*, 1870.

——. Sopra alcuni minerali e rocce del Peru. (Tract.) 8vo. *Pisa*, 1870.

——. Mineralogia della Toscana. 2 vols. 8vo. *Pisa*, 1872.

——. Paragone della Montagnola Senese con gli altri monti della catena metallifera della Toscana. — Sulla probabile esistenza di avanzi di antichissime industrie umane nella così detta Gialla di Siena. (Tract.) 8vo. *Florence*, 1872.

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Adam (Walter). On the Osteological Symmetry of the Camel. (Tract.) 4to. *London*, 1832.

Adam (William). The Gem of the Peak; or Matlock Bath and its vicinity, etc. (pp. 6–17 and 55–57, containing Geological Character, Climate and Waters, Natural Curiosities, etc.) (Tract.) 12mo. *London*, 1845.

Adams (Andrew Leith). Outline of the Geology of the Maltese Islands; and description of the Brachiopoda by Thomas Davidson. (Tract.) 2 copies. 8vo. *London*, 1864.

——. Concluding Report on the Maltese Fossil Elephants. (Tract.) 8vo. *London*, 1873.

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——. On the Dentition and Osteology of the Maltese Elephants. 4to. *London*, 1874.

——. On a Fossil Saurian Vertebra (*Arctosaurus Osborni*), from the Arctic Regions. (Tract.) 8vo. *Dublin*, 1875.

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Adams (Andrew Leith). Monograph on the British Fossil Elephants. (Palæontographical Society.) 4to. *London*, 1877, *etc.*

——. Report on the History of Irish Fossil Mammals. (Abridgment.) (Tract.) 8vo. *Dublin*, 1878.

——. On the Recent and Extinct Irish Mammals. (Tract.) 8vo. *Dublin*, 1878.

Adams (Arthur). See SAMARANG EXPEDITION.

Adams (Charles B.), Biographical Notice. See BLAND, THOMAS.

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——. Monograph of *Vitrinella*, a new genus of new species of Turbinidæ. (Tract.) 2 copies. 4to. *Amherst, Mass.*, 1850.

——. Contributions to Conchology, Nos. 1–11. 8vo. *Amherst* and *Washington*, 1849–53.

——. Catalogue of Shells collected at Panama, with notes on their synonymy, station, and geographical distribution. 8vo. *New York*, 1852.

——. See GRAY (Alonzo), RED RIVER, and SURVEYS: VERMONT.

Adams (James J.). A New Operation for the Cure of Amaurosis, Impaired Vision, and Shortsightedness. (Tract.) 8vo. *London*, 1841.

Adams (John). Descriptive sketch of St. Paul's Island, at the entrance of the Gulf of St. Lawrence. (Tract.) 8vo. *Quebec*, 1837.

Adams (W.). On the Geological Features of the South-Wales Coalfield. (Tract.) 8vo. *London*, 1871.

Adams-Reilly (A.). See REILLY (A. Adams-).

Adet (P. A.). See GUYTON DE MORVEAU (L.B.).

Adhémar (J.). Révolutions de la Mer.—Déluges périodiques. 2e édit. Text and Atlas. 8vo. *Paris*, 1860.

Admiralty Publications. Catalogue of Charts, Plans, Views, and Sailing directions, constructed under the orders of the Lords Commissioners of the Admiralty, for the use of His Majesty's Navy. 2 copies. 8vo. *London*, 1832.

*** One copy with MS. additions and references to the Society's collection of Charts.

——. ——. 8vo. *London*, 1839.

——. ——. 8vo. *London*, 1849.

——. ——. 8vo. *London*, 1852.

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——. Manual of Scientific Enquiry. See HERSCHEL (Sir John F. W.).

——. Catalogue of the Books in the Library. 8vo. *London*, 1858.

——. ——. By Richard Thorburn. 4to. *London*, 1875.

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——. ——. Another edition. 8vo. *London*, 1855.

Admiralty Publications. A Table for finding the Latitude from the altitude of the Pole Star, observed at any hour in the Northern Hemisphere. By W. Salmon. (Tract.) 8vo. *London*, 1850.

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——. Africa. Memoir on the Navigation of the Western Coast of Africa, from Cape Bojador to Mount Souzos. From the observations of Baron Roussin in the years 1817 and 1818. Translated from the French by James Badgeley. 4to. *London*, 1827.

——. America (North). St.-Lawrence Directions. (Tract.) 8vo. *London*, no date.

——. ——. Sailing Directions for the Gulf and River of St. Lawrence. By H. W. Bayfield. Vol. i. part 1 and vol. ii. part 3. 8vo. *London*, 1837-47.

——. ——. Directions for navigating part of the Coast of Labrador, from Cape Charles to Sandwich Bay. By M. Lane. 2nd edition, revised by J. F. Dessiou. 8vo. *London*, 1810.

——. ——. Directions for navigating part of the Coast of Newfoundland, from Point Lance to Cape Spear, and from Cape Spear to Cape Bonavista. By M. Lane. 2nd edition, revised by J. F. Dessiou. 8vo. *London*, 1810.

——. ——. Directions for navigating the Bay of Placentia, from Cape Chapeau Rouge to Cape St. Mary, on the south coast of Newfoundland. By Michael Lane (1772). 2nd edition, revised by J. F. Dessiou. 8vo. *London*, 1810.

——. ——. Remarks on Baffin Bay. By R. C. Allen, W. P. Snow, and E. A. Inglefield. (Tract.) 8vo. *London*, 1853.

——. America (South). Memoir on the Navigation of South America, to accompany a chart of that station. 8vo. *London*, 1825.

——. ——. Sailing Directions for South America. By R. Fitz Roy. Part ii. 8vo. *London*, 1848.

——. ——. Sailing Directions for South America. Part ii. By P. P. King and R. Fitz Roy. 2nd edition. 8vo. *London*, 1850.

——. ——. Directions for the Bar and River of Aracati, or Jaguarybe. By Richard Dixon. 8vo. *London*, 1832.

——. Australia. The Australia Directory. Vol. I., containing Directions for the Southern Shores of Australia, from Cape Leeuwin to Port Stephens, including Bass's Strait and Van Diemen's Land. 8vo. *London*, 1830.

——. ——. The Australia Directory. Vol. I. Edited by John Burdwood. From Cape Leeuwin to Port Stephens, including Bass's Strait and Tasmania. 3rd edition. 8vo. *London*, 1853.

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——. British Isles. Tide Tables for the English and Irish Ports for the years 1851–53. (Tracts.) 8vo. *London*, 1850–52.
——. Cape of Good Hope. Astronomical Observations made at the Royal Observatory in the year 1834, under the direction of T. Maclear. (Published by order of the Lords of the Admiralty.) Vol. I. 4to. *Cape of Good Hope*, 1850.
——. Demerara etc. Remarks on the Rivers of Berbice and Demerara. By John Petley. (Tract.) 8vo. *London*, 1845.
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——. England. Tide Tables for Plymouth, Portsmouth, Ramsgate, Sheerness, and London for the year 1834. (Tract.) 2 copies. 8vo. *London*, 1834.
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——. ——. ——. 4th edition. 8vo. *London*, 1850.
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——. Lighthouses. Africa etc. The Light-houses in South Africa, the East Indies, Australia, and Tasmania. Corrected to 1849, to 1851, and to 1852. (Tracts.) 8vo. *London*, 1849–52.
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Admiralty Publications. Lighthouses. America, South. The Lighthouses on the Eastern and Western Coasts of South America, and the Western Coast of North America, corrected to 1853. (Tract.) 8vo. *London*, 1853.

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——. ——. British Isles. The Lighthouses of the British Isles. Corrected to 1832, to 1836, to 1844, to 1849, to 1851, to 1853, and to 1854. (Tracts.) 8vo. *London*, 1832–54.

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——. ——. France etc. The Light-houses on the North and West Coasts of France, Spain, and Portugal, corrected to 1852, to 1853, and to 1854. (Tracts.) 8vo. *London*, 1852–54.

——. ——. Mediterranean etc. The Light-houses of the Mediterranean, Black Sea, and Sea of Azof, corrected to 1849, to 1852, and to 1853. (Tracts.) 8vo. *London*, 1849–53.

——. ——. United States. The Light-houses, Beacons, and Floating Lights of the United States, corrected to 1850 and to 1853. (Tracts.) 8vo. *London*, 1851–53.

——. ——. West Indies. The Light-houses of the West India Islands, and adjacent Coasts, corrected to 1853. 8vo. *London*, 1853.

——. North Sea. Directions for the North Sea, by J. Welsh. No title.

——. ——. Remarks to accompany a new Chart of the Leman and Ower Shoals, situated in the North Sea, by W. Hewett. 8vo. *London*, 1826.

——. Patagonia. Sailing Directions for the Coasts of Eastern and Western Patagonia, by Philip Parker King. 8vo. *London*, 1832.

——. Venice. Treatise on the Currents in the Gulf of Venice, containing clear and simple instructions, etc. By Vincenzo di Luccio (Venice, 1798). 8vo. *London*, 1806.

——. Wales. Sailing Directions for the Coast of Wales. By W. L. Sheringham, C. G. Robinson, and H. M. Denham. 8vo. *London*, 1843.

——. West Indies. The West India Directory, Vol. I., containing directions for navigating the Caribbean Sea and the Gulf of Mexico. 8vo. *London*, 1829.

——. See Surveys. Great Britain. Ordnance Survey.

Adriasola y Arve (J. M.). See Rivero (M. E. de).

'Adventure' and 'Beagle' Expedition. See 'Beagle' and 'Adventure' Expedition.

Agapito (Girolamo Co.). Le Grotte di Adlersberg, di S. Canciano, di Corniale e di S. Servolo . . . ed altri notevoli oggetti nelle vicinanze di Trieste. 12mo. *Vienna*, 1823.

Agassiz (Alexander). Preliminary Report on the *Echini* and Starfishes dredged in deep water, between Cuba and the Florida Reef, by L. F. de Pourtales. 8vo. *Cambridge, Mass.*, 1869.

Agassiz (Louis). Recherches sur les Poissons fossiles. 5 vols. 2 copies. 4to; Atlas fol. *Neufchatel*, 1833–43.

Agassiz (Louis). Rapport sur les Poissons fossiles découverts en Angleterre. (Tract.) 8vo. *Neufchatel*, 1835.

——. Revue critique des Poissons fossiles figurés dans l'Ittiolitologia Veronese. (Tract.) 8vo. *Neufchatel*, 1835.

——. Notice sur les Moules du Musée de Neuchatel. (Tract.) 4to. *Neufchatel*, 1838.

——. Monographies d'Echinodermes vivans et fossiles. 4to. *Neufchatel*, 1838.

——. Notice sur le *Mya alba*, espèce nouvelle de Porto-Rico. (Tract.) 4to. *Neufchatel*, 1839.

——. Notice sur quelques points de l'organisation des Euryales, accompagnée de la description détaillée de l'espèce de la Méditerranée. (Tract.) 4to. *Neufchatel*, 1839.

——. Mémoire sur les Moules de Mollusques vivans et fossiles.—1e partie. (Tract.) 4to. *Neufchatel*, 1839.

——. Description des Echinodermes fossiles de la Suisse.—1e partie. 4to. *Neufchatel*, 1839.

——. Études sur les Glaciers. 2 copies. 8vo; Atlas fol. *Neufchatel*, 1840.

——. Études critiques sur les Mollusques fossiles. 4to. *Neufchatel*, 1840.

——. De la Succession et du Développement des êtres organisés à la surface du globe terrestre, dans les différens âges de la nature. (Tract.) 8vo. *Neufchatel*, 1841.

——. [Sur la découverte de la structure lamellaire des glaciers.] (Tract.) 4to. *Neufchatel* (?), 1842.

——. Nomenclator Zoologicus. Fasc. 1–12. 4to. *Soleure*, 1842–46.

——. Monographie des Poissons fossiles du vieux grès rouge ou système Dévonien (Old Red Sandstone) des Iles Britanniques et de Russie. 2 copies. 4to; Atlas fol. *Neufchatel* and *Soleure*, 1844.

——. Iconographie des Coquilles tertiaires réputées identiques avec les espèces vivantes ou dans différens terrains de l'époque tertiaire, accompagnée de la description des espèces nouvelles. (Tract.). 4to. *Neufchatel*, 1845.

——. Bibliographia Zoologiæ et Geologiæ. A general catalogue of all books, tracts, and memoirs on Zoology and Geology. Corrected, enlarged, and edited by H. E. Strickland. (Ray Society.) 4 vols. 8vo. *London*, 1848–54.

——. Geographical Distribution of Animals. (Tract.) 8vo. *London*, 1850.

——. Lake Superior: its physical character, vegetation, and animals. With a narrative of the tour, by J. Elliot Cabot. 8vo. *Boston*, 1850.

——. On Marcou's 'Geology of North America.' (Tract.) 8vo. *New Haven*, 1859.

——. Conversações Scientificas sobre o Amazonas. (Tract.) 8vo. *Rio de Janeiro*, 1866.

——. Methods of Study in Natural History. 8vo. *Boston*, 1866.

——. Glacial Phenomena in Maine. (Tract.) 8vo. *Boston*, 1867.

——. Sur la géologie de la vallée de l'Amazone, avec des remarques de M. Jules Marcou. (Tract.) 8vo. *Paris*, 1867.

Agassiz (Louis). Address delivered on the Centennial Anniversary of the birth of Alexander von Humboldt, under the auspices of the Boston Society of Natural History. 2 copies. 8vo. *Boston*, 1869.

——. Scientific results of a Journey in Brazil. Geology and Physical Geography of Brazil. By Ch. Fred. Hartt. 8vo. *Boston* and *London*, 1870.

——. A Letter concerning Deep-Sea Dredgings. (Tract.) 8vo. *Washington*, 1872.

——. See Blake (William P.), Hartt (C. F.), Holmes (Francis S.), Miller (Hugh), Nott (J. C.), and Serials, London; Ray Society.

—— and **Desor** (E.). Récit d'une course faite aux glaciers en hiver. (Tract.) 8vo. *Geneva*, 1842.

Agricola (Georg). De ortu et causis Subterraneorum; de Natura eorum quæ effluunt ex Terra; de Natura Fossilium; de Veteribus et novis Metallis; Bermannus, sive de re metallica dialogus; Interpretatio Germanica vocum rei metallicæ, . . . recensiti . . . a Joannes Sigfridus. 8vo. *Wittemburg*, 1612.

——. De Re Metallica, libri XII. Quibus Officia, Instrumenta, Machinæ, ac omnia denique ad Metallicam spectantia, non modo luculentissime describuntur &c. Fol. *Basle*, 1657.

Aikin (Arthur). Journal of a Tour through North Wales and part of Shropshire, with observations in Mineralogy and other branches of Natural History. 8vo. *London*, 1797.

——. A Manual of Mineralogy. 8vo. *London*, 1814.

——. A Manual of Mineralogy. 2nd edition. 8vo. *London*, 1815.

——. Tabular view of Mr. Aikin's System of Mineralogy. (MS. Tract, by Mr. Greenough.) 4to. No date.

——. Proposals for a Mineralogical Survey of the County of Salop, and of some adjacent districts. 4to, *London*, no date.

—— and **Aikin** (C. R.). A Dictionary of Chemistry and Mineralogy, with an account of the processes employed. 2 vols. and Appendix. 4to. *London*, 1807–14.

Ainsworth (Robert). See Dictionaries, Latin and English.

Ainsworth (William). An account of the Caves of Ballybunian, county of Kerry; with some mineralogical details. (Tract.) 8vo. *Dublin*, 1834.

——. Researches in Assyria, Babylonia, and Chaldæa, forming part of the labours of the Euphrates Expedition. 8vo. *London*, 1838.

Airy (G. B.). On the Results of recent Calculations on the Eclipse of Thales and Eclipses connected with it. (Tract.) 8vo. *London*, 1853.

Akerly (Samuel). An essay on the Geology of the Hudson River. 8vo. *New York*, 1820.

Akrell (Carl). Underrättelser till Kartar öfver Sverige. (Tract.) 4to. *Stockholm*, 1811.

Albert (Prince Consort). Address on Opening the International Statistical Congress. (Tract.) 8vo. *London*, 1860.

Alberti (Friedrich von). Die Gebirge des Königreichs Württemberg, in besonderer Beziehung auf Halurgie. Mit Anmerkungen und Beilagen von D. Schübler. 8vo. *Stuttgart* and *Tübingen*, 1826.

Alberti (Friedrich von). Beitrag zu einer Monographie des bunten Sandsteins, Muschelkalks, und Keupers, und der Verbindung dieser Gebilde zu einer Formation. 2 copies.
8vo. *Stuttgart* and *Tübingen*, 1834.

——. Halurgische Geologie. 2 vols. 8vo. *Stuttgart* and *Tübingen*, 1852.

——. Ueberblick über die Trias, mit Berücksichtigung ihres Vorkommens in den Alpen. 8vo. *Stuttgart*, 1864.

Albertini (Luis E.). Le Pérou en 1878. Notice historique et statistique, suivie du Catalogue des Exposants. Exposition Universelle, Paris. (Tract.) 8vo. *Paris*, 1878.

Alder (Joshua) and **Hancock** (Albany). A Monograph of the British Nudibranchiate Mollusca. (Ray Society.) 4to. *London*, 1845.

Aldis (C. J. B.). General Report on the Sanitary Condition of the Belgrave sub-district, Parish of St. George, Hanover Square; and on the quality of the Waters used therein. 2nd edition. (Tract.)
8vo. *London*, 1857.

Alexander (Henry). The Soils of East Suffolk, considered geologically. (Tract.) 2 copies. 8vo. *Woodbridge*, 1840.

Alexander (William). See Reports, Parliamentary. Mines.

Alexandre (Jacques). Traité du flux et reflux de la mer. (Tract.)
8vo. *Paris*, 1726.

Alfonso X. of Castile. Libros del saber de Astronomia . . . compilados, anotados y comentados por Don Manuel Rico y Sinobas. 3 vols.
Fol. *Madrid*, 1863–64.

Alger (Francis). See Jackson (Charles T.).

Algeria. Exploration scientifique de l'Algérie pendant les années 1840, 1841, 1842. Sciences physiques. Géologie de l'Algérie par E. Renou, accompagnée d'une notice minéralogique sur le massif d'Alger par M. Ravergie, et d'une description des Coquilles fossiles par M. Deshayes. 4to. *Paris*, 1868.

Allan (Robert). A Manual of Mineralogy. 8vo. *Edinburgh*, 1834.

——. See Phillips (William).

Allan (Thomas). An Alphabetical List of the Names of Minerals at present most familiar in the English, French, and German Languages, with Tables of Analyses. 8vo. *Edinburgh*, 1808.

——. Remarks on a Mineral [Allanite] from Greenland, supposed to be crystallized Gadolinite. (Tract.) 2 copies. 4to. *Edinburgh*, 1812.

——. On the Rocks in the Vicinity of Edinburgh. (Tract.)
4to. *Edinburgh*, 1812.

——. Mineralogical Nomenclature, alphabetically arranged; &c.
8vo. *Edinburgh*, 1814.

——. Remarks on the Transition Rocks of Werner. (Tract.)
4to. *Edinburgh*, 1815.

——. Observations on the Formation of the Chalk strata, and on the structure of the Belemnite. (Tract.) 4to. *Edinburgh*, 1822.

Allen (Joel Asaph). Mammalia of Massachusetts. (Tract.)
8vo. *Cambridge, Mass.*, 1869.

——. History of the American Bison, *Bison americanus*. (Tract.)
8vo. *Washington*, 1877.

——. See Surveys: United States.

Allen (R. C.). See Admiralty Publications.

Allies (Jabez). Observations on certain curious Indentations in the Old Red Sandstone of Worcestershire and Herefordshire, considered as the tracks of Antediluvian Animals. 8vo. *London* 1835.

Allioni (Carlo). Oryctographiæ Pedemontanæ specimen, exhibens corpora Fossilia terræ adventitia. 8vo. *Paris*, 1757.

Allman (George James). A monograph of the Freshwater Polyzoa. (Ray Society.) 4to. *London*, 1856.

——. A monograph of the Gymnoblastic or Tubularian Hydroids. (Ray Society.) 4to, *London*, 1871–72.

Allport (Samuel). On the Discovery of some Fossil Remains near Bahia in South America. (Tract.) 8vo. *London*, 1860.

Almanac, Austrian. Kaiserlich-österreichischer Toleranz-Bothe, oder neueingerichteter allgemeiner Kalender fur alle Religionsgesellschaften in den kaiserlichen königlichen Erbstaaten. Auf das Jahr . . . 1820. 4to. *Vienna*, 1820.

Almeida (Agostinho José Pinto de). See Pinto de Almeida (A. J.).

Alston (Edward R.). Mammalia of the West of Scotland. See British Association. Glasgow Guide Books.

Alston Moor. Reference to the Plans of Mines in the Manor. (Tract.) 4to. *Newcastle*, 1828.

Althaus (— d'). Notice sur un terrain d'eau douce du Hegau, Grand-duché de Bade. (Tract.) 4to. *Strasburg*, 1830.

Altmann (Johann Georg). Versuch einer historischen und physischen Beschreibung der helvetischen Eisbergen. 8vo. *Zurich*, 1751.

Alton (E. d'.) and **Burmeister** (H.). Der fossile Gavial von Boll in Württemberg. 4to. *Halle*, 1854.

Amato (Gaetano d'). Divisamento critico sulle correnti opinioni intorno ai fenomeni del Vesuvio e degli altri vulcani, etc. 8vo. *Naples*, 1756.

America (British Provinces) and **United States.** Catalogue of Official Reports upon Geological Surveys. (Tract.) 8vo. New Haven, 1867.

American Coal. See Johnson (Walter R.).

Amici (Vincenzo). Sul problema dell' equilibrio delle volte. 4to. *Modena*, 1833.

Ammann (Jean Conrad). Catalogue Systématique de sa Collection de Pétrifications. (Tract.) 8vo. *Nuremberg*, 1790 ?

Ammon (Ludwig von). Die Jura-Ablagerungen zwischen Regensburg und Passau. Eine Monographie des niederbayerischen Jurabezirkes mit dem Keilberger Jura, unter besonderer Berücksichtigung seiner Beziehungen zum Frankenjura. 8vo. *Munich*, 1875.

Amodio (Giulio). Breve trattato del Terremoto. In occasione dell' incendio successo nel Monte Vesuvio nel giorno 16 di Decembre 1631. Con una verissima relatione di quanto è successo da detto dì sino à 22 di Gennaro 1632. (Tract.) 12mo. *Naples*, 1632.

Amoretti (Carlo). Viaggio da Milano ai tre laghi Maggiore, di Lugano e di Como, e ne' monti che li circondano. 3rd edition. 8vo. *Milan*, 1806.

Anastatic Printing. A Brief Description of the Art (Trade). By S. H. Cowell. (Tract.) 8vo. *Ipswich*, no date.

Anca (F.). Sur deux nouvelles Grottes à ossements fossiles découvertes en Sicile en 1859. (Tract.) 4to. *Paris*, 1860.

Anciola (Antonio L.) *and* **Cossio** (Eloy de). Memoria sobre las minas de Rio-Tinto. 8vo. *Madrid*, 1856.

Ancona (Cesare d'). Sulle neritine fossili dei terreni terziari dell' Italia centrale. (Tract.) 8vo. *Pisa*, 1869.

——. Sulle neritine fossili dei terreni terziari superiori dell' Italia centrale. (Tract.) 8vo. *Pisa*, 1869.

——. Malacologia Pliocenica Italiana. Fasc. 1, 2. 4to, *Florence*, 1871–72.

Anderson (Benjamin). Narrative of a Journey to Musardu, the capital of the Western Mandingoes. 8vo. *New York*, 1870.

Anderson (Charles). See Buch (Leopold von).

Anderson (J.). History of the County of Fife. 4to. *Edinburgh.*

Anderson (John). Dura Den, a monograph of the Yellow Sandstone and its remarkable fossil remains. 8vo. *Edinburgh*, 1859.

Anderson (John). Report on the Expedition to Western Yunan, *viâ* Bramô. 8vo. *Calcutta*, 1871.

Anderson (R.). Lightning conductors, their history, nature, and mode of application. 8vo. *London*, 1879.

Andersson (N. J.). See Eugenies Expedition.

Andrada e Silva (José Bonifacio de). Memoria sobre a nova Mina de ouro da outra banda de Tejo. (Tract). 4to. *Lisbon*, 1817.

——. Memoria sobre as pesquizas e lavra dos veios de chumbo de Chacim, Souto, Ventozello, e Villar de Rey, na Provincia de Tras os Montes. (Tract.) 4to. *Lisbon*, 1818.

Andræ (Carl Justus). Vorweltliche Pflanzen aus dem Steinkohlengebirge der preussischen Rheinlande und Westphalens. Heft 3. (Tract.) 4to. *Bonn*, 1869.

——. See Heer (Oswald).

Andreæ (J. G. R.). De Aquis putealibus Hannoveranis et Seinæ fluminis —Von den hannoverischen Wassern, etc. (Tract.) 4to. *Hanover*, 1756.

——. Briefe aus der Schweiz nach Hannover geschrieben in dem Jahre 1763. 4to. *Zurich* and *Winterthur*, 1776.

Andréossy (Antoine François). Mémoire sur les dépressions de la surface du Globe, dans le sens longitudinal des chaînes de montagnes et entre deux reliefs maritimes adjacens. (Tract.) 8vo. *Paris*, 1826.

——. Constantinople et le Bosphore de Thrace, pendant les années 1812, 1813, et 1814, et pendant l'année 1826. 8vo. *Paris*, 1828.

Andrew (Thomas). Geological and Archæological Papers. (Exeter, Cornwall and Devonshire, etc.) 8vo. *Northampton* 1875.

Andrew (W. P.). The Punjaub Railway, with Map of Scinde and the Punjaub. (Tract.) 8vo. *London*, 1857.

——. Port of Kurrachee, depth of Water, and Commerce, for 1856–1857. (Tract.) 8vo. *London*, 1857.

Andrews (E. B.). See Surveys: Ohio.

Angas (George French). Description d'espèces nouvelles appartenant à plusieurs genres de mollusques nudibranches des environs de Port-Jackson, Nouvelles-Galles du Sud. Traduite de l'anglais par H. Crosse. (Tract.) 8vo. *Paris*, 1864.

Angelin (N. P.). Palæontologia Scandinavica. Part I. Crustacea. 4to. *Leipzig*, 1854.

Angelin (N. P.). Iconographia Crinoideorum in stratis Sueciæ Siluricis fossilium. Fol. *Stockholm*, 1878.

Anglion (John). Letter on the Geology of North America. (Tract.) 4to. *Manuscript*, 1810.

——. Account of a Marine Volcano at St. Michael's. (Tract.) 4to. *Manuscript*, 1811.

Anker (Mathias Joseph). Kurze Darstellung einer Mineralogie von Steyermark, etc. Band i. and ii. (Tracts.) 8vo. *Grätz*, 1809–10.

Anon.* American Rivers. The Navigator, containing directions for navigating the Monongahela, Allegheny, Ohio, and Mississippi Rivers, etc. 11th edition. 8vo. *Pittsburg*, 1821.

——. Arctic Regions. The Great Arctic Mystery, by φιλοι συμβουλευμενοι. (Tract.) *London*, 1856.

——. Armenia. Coup d'œil général sur les Provinces nouvellement conquises par les Russes et appelés par eux-mêmes Territoire d'Arménie. (Tract.) 12mo. *Venice*, 1828.

——. Army. A Report on the Sanitary Condition of the Army, particularly during the late war with Russia, by a Non-Commissioner. (Tract.) 8vo.

——. ——. Mortality of the British Army at home and abroad, and during the Russian War, as compared with the mortality of the Civil population in England. (Tract.) Fcap. fol. *London*, 1858.

——. Bible (The). Considered as a record of Historical Development. (Tract.) 8vo. *London*, 1864.

——. Bible and Geology. The true theory of the Earth, and philosophy of the predicted end, by Research. 8vo. *Edinburgh*, 1869.

——. ——. By Non præteribit. (Tract.) 4to. *Chester*, 1854.

——. Botanical Geography. Ueber Verbreitung von Teak, Sandel und Cardamomen. (Tract.) 8vo.

——. Ueber Verbreitung der Pfefferrebe, Banane und Mango in Indien. (Tract.) 8vo.

——. British Geology. Outlines of British Geology. 8vo. *London*, 1850.

——. Canobie. Guide to Excursion to Canobie, Liddesdale, and Keeldar Castle. (Tract.) 8vo. *Newcastle*, 1863.

——. Capital without Coin, by "Tom Cringle." (Tract.) 8vo. *Melbourne*, 1869 ?

——. Circle. Are there any commensurable relations between a circle and other geometrical figures ? (Tract.) 8vo. *London*, 1860.

——. Coal. About coal formations, by "Tom Cringle," pp. 1 and 2. (Tract.) 8vo. *Melbourne* ?, 1869.

——. ——. Our coal and our coal-pits ; the people in them, and the scenes around them. By a Traveller underground. 8vo. *London*, 1853.

——. ——. Relation des événemens mémorables arrivés dans l'exploitation de houille de Beaujoue, près de Liége, le 28 Février, 1812. (Tract.) 8vo. *Liége*, 1812.

* See also the commencement of each letter for anonymous works bearing the authors' initials. Other anonymous publications will be found under "Reports."

Anon. Coal. Review of "Reports on the geological relations, chemical analysis, and microscopic examination of the coal of the Albert Coal Mining Company, situate in Hillsboro', Albert County, New Brunswick," as written and compiled by Charles T. Jackson, by a F. G. S. of London. (Tract.) 8vo. *New York*, 1852.

——. ——. Some observations on the Acts of the year 1797 and 1802 granting exemptions of the duty of Customs on all coal and culm carried coastwise from the Port of Newport, etc. (Tract.) 8vo. *Bristol*, 1810.

——. ——. The history and description of fossil fuel, the collieries, and coal-trade of Great Britain, (by — Holland?). 2nd edition. 8vo. *London*, 1841.

——. Coal-measures. Erläuterung zur Flötzkarte des saarbrücker Steinkohlendistrictes. (Tract.) 8vo. *Gotha*, no date.

——. Coal-mines. (From the London University Magazine.) (Tract.) 8vo. *London*, 1858.

——. Conchological Tables, compiled principally for the use of shell-collectors. (Imperfect tract.) 8vo. *Newcastle-on-Tyne*, 1823.

——. Croydon. An account of the river Bourne, an intermittent stream rising south of Croydon, as it appeared in January 1861. (Tract.) 8vo. *Croydon*, 1861.

——. ——. Geology of Croydon. (Tract.) 8vo. *Croydon*, 1877.

——. Crystallography. Kanten-Messung von Krystallen mittelst des geognostischen Compasses. (Tract.) 8vo. *Wiesbaden*?, 1855.

——. Darwinian Theory of the transmutation of species examined, by a Graduate of the University of Cambridge. 8vo. *London*, 1867.

——. Deptford. The "Industrial Geology" of Deptford. (Tract. From the Archæological Mine.—The History of Kent.) 8vo. *London*, 1854.

——. Diamond-boring. Borings executed by the Continental Diamond Rock-boring Company (Limited). (Tract.) 8vo. *London*?, 1879.

——. Earthquake-waves: are they possible? by "Tom Cringle." (Tract.) 8vo. *Melbourne*, no date.

——. Fossils. An account of the origin and formation of fossil shells etc. (by — Rowland?). (Tract.) *London*, 1705.

——. ——. Sketches of bones supposed to resemble those of the German Caverns. (MS. Tract.) 4to.

——. France. Géographie de la France. 2 vols. 8vo. *Paris*, 1802.

——. ——. Sketch of the Geology of France (by H. G. Bennet?). MS. fol. (*Boulogne*) 1814.

——. Ganges Canal. Short account of the Ganges Canal. 4to. *Calcutta*, 1854.

——. Geography. Aide-mémoire du voyageur, ou questions relatives à la géographie physique et politique, etc. 8vo; Aatlas 4to. *Paris*, 1834.

——. ——. Hints for collecting geographical information. (Tract.) 8vo. *London*, no date.

——. ——. On the Gnomonic Projection of the Sphere. (Tract.) 8vo. *London*, 1851.

——. Geologie, of verhandeling over de Vorming en Vervorming der Aarde. (Tract.) 8vo. *Groningen*, 1813.

Anon. Geology. A geological primer in verse: with a poetical geognosy, or Feasting and Fighting; and sundry right pleasant poems; with notes. To which is added a critical dissertation on "King Coal's Levée" (by Charles Daubeny?). 8vo. *London*, 1820.

——. ——. Remarks on Prof. Rogers's geological report to the British Association during their recent meeting held at Edinburgh. By Amphibole. (Tract.) 8vo. *Philadelphia*, 1835.

——. ——. The physical history of the earth, by a Student. 8vo. *London*, 1861.

——. ——. The science of Geology, by ΧΑΟΣ. (Tract.) 12mo. *Glasgow*, 1839.

——. Glaciers and their phenomena. (Tract.) *London*, 1859.

——. Gold. Auriferous drifts in Australia, &c., by "Research." (Tract.) 8vo. *Melbourne*, *London*, and *Edinburgh*, 1868.

——. Gold-mining. Ueber den Bergbau Chursachsens auf Gold. (Tract.) 8vo. *Penig*, 1805.

——. Great Britain. Geological Structure of Great Britain. (Tract.) 8vo, no date.

——. Greenland. (Tract.) 8vo. *New York*, 1845.

——. India. Observations on India (by R. Everest?). 8vo. *London*, 1853.

——. Indian Archipelago. The languages of the Indian Archipelago. (Tract.) 8vo, no date.

——. Ireland. The postchaise companion through Ireland. 3rd edition. 8vo. *Dublin*, 1805.

——. Lima. A true and particular relation of the dreadful earthquake which happened at Lima, the capital of Peru, and the neighbouring port of Callao, on the 28th of October, 1746. 8vo. *London*, 1748.

——. Meteorology. Memorandum of Thermometer (Fahr.) at Lochnell House, N. B. in the years 1818–23. (MS. Tract.) 8vo. 1824.

——. ——. Meteorological Tables, extracted from the Register kept at Kinfauns Castle, N. B. (Tract.) 1814–15.

——. Microscopy. How to choose a Microscope; by a Demonstrator. (Tract.) 8vo. *London*, 1876.

——. Mineral Waters. Mémoire sur l'Eau de Selters ou de Seltz naturelle. (Tract.) 8vo. *Paris*, 1841.

——. Mineralogy. Mineralogical Nomenclature. Reports of the Committee. Appendix. (MS.) 4to.

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——. ——. Ehrfurchts-Bezeugung und kurzskizzirte Geschichte des Bergbaues im Kinziger Thale. (Tract.) 8vo. *Fürstenburg*, 1805.

——. ——. Merkwürdigkeiten der tiefen Hauptstölln des Bergamtsreviers Freyburg. (Tract.) 8vo. *Dresden*, 1804.

——. ——. Names of Mining Instruments and Apparatus, and the provincial names of mineral substances. MS. 8vo.

Anon. Mining. Statement of a recently-claimed discovery in Natural Science, incentive to Mining enterprise, by "Research." (Tract.) 8vo. *Melbourne*, 1870.

——. New South Wales, its Progress and Resources. (Tract.) 8vo. *Sydney*, 1876.

——. Omphalos: being an attempt to untie the Geological Knot, by Philip Henry Gosse. (Review.) (Tract.) 8vo. *London*, 1857.

——. Palæontology. Observations on the Antediluvian Remains of a Former World. (Tract.) 8vo. *London*, 1834.

——. Palestine. Notes of a Tour through Palestine. (Tract.) 8vo. *Calcutta*, 1835.

——. Petrology. Beobachtungen und Muthmassungen über den Granit und über den Gneiss. (Tract.) 8vo. *Berlin*, 1779.

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——. St. Lawrence. Instructions for making Gaspé and Mitis, and Rimouski, in the River St. Lawrence. 8vo. *London*, 1832.

——. Saxon Mining. Der verkannte Werth des sächsischen Bergbaues und desselben gute Sache. (Tract.) 8vo. *Leipzig*, 1781.

——. Science. A discourse of the Objects, Advantages, and Pleasures of Science. (Tract.) 8vo. *London*, 1827.

——. Scotland. Journal of a tour through the Highlands of Scotland during the summer of 1829. 8vo. *Norton Hall*, 1830.

——. Sinters. Breve notizia di un viaggiatore sulle incrostazioni silicie termali d'Italia, e specialmente di quelle dei Campi Flegrei nel Regno di Napoli; by *θ*. (Tract.) 8vo. *London*?, 1795.

——. Statistics. Heads for the arrangement of Local Information in every department of Parochial and Rural Interest. (Tract.) 8vo. *London*, 1830.

——. Sulphuric Ether. Debate in the United States Senate on the Anæsthetic Properties of Sulphuric Ether. (Tract.) 8vo. *Washington*?, 1852.

——. ——. Report (to the Senate of the United States) of a Select Committee on the discovery of Sulphuric Ether as an Anæsthetic. (Tract.) 8vo. *Washington*?, 1853.

See also Morton (William T. G.).

——. Telescopes. Lord Rosse's Two Great Telescopes. (Tract.) 8vo. *New York*, 1845.

——. Tides. A new Theory (Captain Davis's) of the Effect of the Tides. (Tract.) 8vo.

——. ——. Account of Mr. Whewell's Researches on the Tides. [From the United Service Journal.] (Tract.) 8vo. *London*, 1838.

——. Trinidad. The Pitch-Lake of Trinidad. (Tract.) 8vo. *London*?, 1869.

——. Tuscan Mining. Ragionamento intorno alla riattivazione che si propone d'intraprendere di alcune miniere in Toscana. Edizione 2da. (Tract.) 8vo. *Florence*, 1833.

——. Unity of System. (Tract.) 8vo. *London*, 1862.

——. Vesuvius. Esame cristallografico del ferro oligisto e del ferro ossidulato del Vesuvio. (Tract.) 8vo. 1842–43.

Anon. Volcanic Islands. Om den vulcanske Oe, Isola Ferdinandea, der i 1831 fremkom i nærheden af Sicilien. (Tract.)
8vo. *Christiania*, 1832–33.

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——. Wrekin. The Rocks of the Wrekin, by a Lady.
8vo. *Wellington* and *London*, n. d.

——. Zoology. A popular description and history of the Giraffes, or Camelopards, now (1836) exhibiting in the Zoological Gardens; by a Naturalist. (Tract.) 8vo. *London*, 1836.

Anschutz (Johann Matthäus). Ueber die Gebirgs- und Steinarten des chursächsischen Hennebergs, nebst einer allgemeinen Uebersicht aller bis jetzt bekannten Mineralien dieses Landes und einem Anhange vom Schneekopfe und Rupberg. 8vo. *Leipzig*, 1788.

Ansted (David Thomas). On a new Genus of fossil Multilocular Shells, found in the Slate Rocks of Cornwall. (Tract.)
4to. *Cambridge*, 1838.

——. Geology, introductory, descriptive, and practical. 2 vols.
8vo. *London*, 1844.

——. Geologist's Text-book. 8vo. *London*, 1845.

——. Geology as a branch of Education. (Tract.) 8vo. *London*, 1845.

——. Facts and suggestions concerning the economic geology of India. I. Coal-fields of India. (Tract.) 8vo. *London*, 1846.

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8vo. *London*, 1847.

——. The Gold-seeker's Manual. 8vo. *London*, 1849.

——. An Elementary Course of Geology, Mineralogy, and Physical Geography. 8vo. *London*, 1850.

——. On the absorbent power of Chalk, and its water contents under different conditions. (Tract.) 8vo. *London*, 1851.

——. Report to the Council of the Society of Arts, on Berdan's Gold Machine. (Tract.) 8vo. *London*, 1853.

——. Report on the Forest Hill Estate and Coal Field, near the Great Kanawha River, Western Virginia. (Tract.) 8vo. *London*, 1853.

——. Scenery, Science and Art. 8vo. *London*, 1854.

——. Geological Science; including the Practice of Geology and the Elements of Physical Geography. (Orr's Circle of the Sciences.)
8vo. *London*, 1855.

——. Descriptions of Remarkable Mineral Veins. (Tract.)
8vo. *London*, 1856.

——. On the Decay and Preservation of Building-materials. (Tract.)
8vo. *London*, 1860.

——. The Varieties of Combustible Minerals used economically, considered in reference to their geological position and relative value for certain purposes. (Tract.) 8vo. *London*, 1862.

——. The Great Stone Book of Nature.
8vo. *London* and *Cambridge*, 1863.

Ansted (David Thomas). The Correlation of the Natural History Sciences. (Tract.) 8vo. *London*, 1863.

——. The Applications of Geology to the Arts and Manufactures. 8vo. *London*, 1865.

——. The Physical Geography and Geology of the county of Leicester. 4to. *Westminster*, 1866.

——. Physical Geography. 8vo. *London*, 1867.

——. The Earth's History, or first lessons in Geology. 8vo. *London*, 1869.

——. On the Lagoons and Marshes of certain parts of the Shores of the Mediterranean, with an abstract of the discussion upon the paper, edited by James Forrest. (Tract.) 8vo. *London*, 1869.

——. Relations of Geology to Architecture. (2nd communication.) Considerations on the Selection of Building-sites. (Tract.) 4to. *London*, 1871.

—— and **Latham** (Robert Gordon). The Channel Islands. 8vo. *London*, 1862.

Anstie (John). The Coal Fields of Gloucestershire and Somersetshire and their Resources. 8vo. *London*, 1873.

Antisell (T.). Explorations from the Mississippi to the Pacific. See Surveys: United States.

Aoust (T. Virlet d'). See Virlet d'Aoust (T.).

Apete (—). See Küster (H. C.).

Aradas (Andrea). Elogio Academico del prof. cav. Carlo Gemmellaro, etc. 8vo. *Catania*, 1869.

Arana (Salvador Calderon y). See Calderon y Arana (Salvador).

Arcet (J. P. J. d'). Abhandlung über die pyrenäischen Gebirge und über die Ursachen ihrer abnehmenden Höhe. (Tract.) 8vo. *Berlin*, 1779.

Archer (William Henry). The Statistical Register of Victoria from the foundation of the Colony. 8vo. *Melbourne*, 1854.

——. Abstracts of English and Colonial Patent Specifications relating to the Preservation of Food, etc. (Tract.) 8vo. *Melbourne*, 1870.

——. See Exhibition of 1862 and Reports, Colonial. Victoria.

Archiac (Etienne-Jules-Adolphe Desmier de St. Simon), *Vicomte d'*. Notice sur ses travaux. See Gaudry (Albert).

——. Discours sur l'ensemble des phénomènes qui se sont manifestés à la surface du globe depuis son origine jusqu'à l'époque actuelle. (Tract.) 4to. *Paris*, 1840.

——. Etudes sur la Formation Crétacée des versants sud-ouest et nord-ouest du Plateau centrale de la France. (Tract.) 8vo. *Paris*, 1843.

——. Notice sur ses travaux géologiques. (Tract.) 4to. *Paris*, 1847.

——. Histoire des progrès de la Géologie de 1834–1859. 8 vols. (5 vols. in duplicate). 8vo. *Paris*, 1847–60.

——. Résumé d'un essai sur la géologie des Corbières. (Tract.) 8vo. *Paris*, 1855.

——. Etudes géologiques sur les départements de l'Aude et des Pyrénées-Orientales; Résumé. (Tract.) 8vo. *Paris*, 1857.

——. Notice Biographique sur Mercier de Boissy. (Tract.) 8vo. *Paris*, 1857.

Archiac (Etienne-Jules-Adolphe Desmier de St. Simon), *Vicomte d'*. Notice sur la Vie et les Travaux de Jules Haime. (Tract.) 8vo. *Paris*, 1857.

——. Note sur Tome vii. de *l'Histoire des progrès de la Géologie*. (Tract.) 4to. *Paris*, 1858.

——. Les Corbières. Etudes géologiques d une partie des départements de l'Aude et des Pyrénées-Orientales. 4to. *Paris*, 1859.

——. Note sur la troisième édition de 'Siluria.' (Tract.) 8vo. *Paris*, 1859.

——. Note sur le genre *Otostoma*. (Tract.) 8vo. *Paris*, 1859.

——. Note sur les fossiles recueillis par M. Pouech dans le terrain tertiaire du département de l'Ariége. (Tract.) 8vo. *Paris*, 1859.

——. Notice sur la vie et les travaux de P. A. Dufrénoy. (Tract.) 8vo. *Paris*, 1860.

——. Introduction à l'étude de la Paléontologie stratigraphique. (Cours de Paléontologie stratigraphique.) 2 vols. 8vo. *Paris*, 1864.

——. Paléontologie stratigraphique. Leçons sur la Faune Quaternaire. 8vo. *Paris*, 1865.

——. Géologie et Paléontologie. 8vo. *Paris*, 1866.

——. Explication d'un profil géologique de l'Angleterre. (Tract.) 8vo. *Angers*, 1867.

——. See Bellardi (Luigi), and Tchihatcheff (Pierre de).

—— and **Haime** (Jules). Description des Animaux fossiles du groupe nummulitique de l'Inde, précédée d'un résumé géologique et d'une monographie des Nummulites. 2 copies. 4to. *Paris*, 1853–54.

—— and **Martin** (Henri). Discours prononcés sur la tombe de M. Auguste Viquesnel, le 11 Février, 1867. (Tract.) 4to. *Paris*, 1867.

Arctic Committee of the Royal Society. See Jones (Thomas Rupert).

Arctic Exploration. The Proceedings of the Royal Geographical Society when a paper was read on the Exploration of the North Polar Region, by Captain Sherard Osborn. (Tract.) 8vo. *London*, 1865.

Arctic Searching Expeditions. Review. (Tract.) 8vo. *Edinburgh*, 1852.

Argentine Republic. See Geinitz (Hans Bruno), and Kayser (Emanuel).

Argenville (Antoine Joseph Dezallier d'). L'histoire naturelle éclaircie dans deux de ses parties principales, la Lithologie et la Conchyliologie. 4to. *Paris*, 1742.

Argy (— d'). Platin in Frankreich. (Tract.) 8vo. *Leipzig*, 1834.

Argyll, Duke of. Address to the British Association. (Tract.) 8vo. *London*, 1856.

——. Address delivered at the Anniversary Meeting of the Geological Society of London, 1873. (Tract.) 8vo. *London*, 1873.

Aristotle. ΑΡΙΣΤΟΤΕΛΗΣ. Aristotelis opera omnia, Græce et Latine, cum indice nominum et rerum absolutissimo. Vol. iii. 8vo. *Paris*, 1854.

Armstrong (James). See British Association. Glasgow Guide Books.

Armstrong (John). The History of the Island of Minorca. 8vo. *London*, 1752.

Armstrong (W. G.), **Bell** (I. Lowthian), **Taylor** (John), and **Richardson** (Dr.). The industrial resources of the district of the three northern Rivers, the Tyne, the Wear, and the Tees, including the reports of the Local Manufactures, read before the British Association in 1863. 8vo. *London* and *Newcastle-on-Tyne*, 1864.

Arnaud (— d'). See SERIALS, ETC.: PARIS, Societé de Géographie.

Arndtsen (Adam). Magnetiske Undersögelser, anstillede med W. Webers Diamagnetometer. (Tract.) 4to. *Christiania*, 1858.

——. On Nickelenselektriske Ledningsmodstand. (Tract.) 4to. *Christiania*, 1858.

Arnott (Neil). On the Smokeless Fire-place, Chimney-valves, and other means, old and new, of obtaining healthful warmth and ventilation. 8vo. *London*, 1855.

Arouet de Voltaire (François Marie). See VOLTAIRE (François Marie Arouet de.).

Artis (Edmund Tyrell). Antediluvian Phytology, illustrated by a collection of the Fossil remains of Plants peculiar to the Coal-formations of Great Britain. 4to. *London*, 1825.

Artoud (Soulange). See BLUMENBACH (J. Fr.).

Ascherson (P.). See VON DER DECKEN (Carl Claus). Reisen in Ost-Africa in 1859–1865.

Ashley (John M.). The Relations of Science. 8vo. *Cambridge* and *London*, 1855.

Assistance Expedition. See BELCHER (Sir Edward).

Asterio (Pietro). Discorso Aristotelico intorno al Terremoto nuovamente occorso nella fedelissima città di Nap. alli 16 del mese di dicembre 1631. (Tract.) 12mo. *Naples*, 1632.

Astier (J. E.). Catalogue descriptif des Ancyloceras appartenant à l'étage Néocomien d'Escragnolles et des Basses-Alpes. 8vo. *Lyons*, 1851.

Asturias. Minas de Carbon de Piedra de Asturias. (Reconocimiento por una Comision de Facultativos.) 2 copies. 4to. *Madrid*, 1831.

Atherstone (W. Guybon). Geology of Uitenhage. (Tract.) 8vo. *Grahamstown*, 1857.

——. A Physician's Holiday, from Grahamstown to the Kasonga. (Tract.) 8vo. *Grahamstown*, 1858.

Atkins (Henry Martin). Ascent to the summit of Mount Blanc on the 22nd and 23rd of August, 1837. 8vo. *London*, 1838.

Atkinson (John J.) See REPORTS, PARLIAMENTARY. Mines.

Atkinson (Thomas Witlaw). Oriental and Western Siberia, and Chinese Tartary. 8vo. *London*, 1858.

Atlantic Ocean. Great North Atlantic Telegraph Route. (Tract.) 8vo. *London*, 1866.

Atthey (Thomas). See KIRKBY (J. W.).

Attumonelli (Michele). Della Eruzione del Vesuvio accaduta nel mese di agosto dell' anno MDCCLXXIX. 8vo. *Naples*, 1779.

Aubuisson de Voisins (J. F. d'). Des Mines de Freiberg en Saxe, et de leur exploitation. 3 vols. 8vo. *Leipzig*, 1802.

——. Mémoires sur les Basaltes de la Saxe. 8vo. *Paris*, 1803.

——. An Account of the Basalts of Saxony, with observations on the origin of Basalt in general. Translated, with notes, by P. Neill. 8vo. *Edinburgh*, 1814.

Aubuisson de Voisins (J. F. d'). Traité de géognosie, ou exposé des connaissances actuelles sur la constitution physique et minérale du globe terrestre. 2 vols. 8vo. *Paris*, 1819.

——. Traité de Geognosie, ou exposé des connaissances actuelles sur la constitution physique et minérale du globe terrestre. Nouvelle édition revue et corrigée. 3 vols. 8vo. *Paris*, 1828–35.

*** Tom. ii. et iii. "contenant le développement de toutes les applications de ces connaissances, et mis en rapport avec le premier volume publié en 1828 par M. d'Aubuisson de Voisins; par Amédée Burat."

Aucapitaine (Henri). Mollusques terrestres et d'eau douce observés dans la Haute Kabylie. (Tract.) 8vo. *Paris*, 1862.

Auckland (New Zealand). Sketch of the present position of the Province of Auckland, statistically and financially. (Tract.) 8vo. *London*, 1863.

Audouin (Jean-Victor). Biographical Notice. See LAMATHIÈRE (Theodore).

Auerbach (J. B.). Гора Богдо—Explorations effected under the Auspices of the Imperial Russian Geographical Society in 1854. With an Introduction by G. Trautschold. (Tract.) 8vo. *St. Petersburg*, 1871.

——, and **Frears** (H.). Notices sur quelques passages de l'ouvrage de MM. Murchison, E. de Verneuil et le Comte A. de Keyserling: 'Géologie de la Russie d'Europe et des Montagnes de l'Oural.' (Tract.) 8vo. *Moscow*. 1846.

Aufermann (Wilhelm). Erster Bericht über Wm. Aufermann's Verfahren zur Concentration von Erzen. (Tract.). 8vo. *New York*, 1861.

Aufschlager (Johann Friedrich). Das Elsass. Neue historisch-topographische Beschreibung der beiden Rhein-Departemente. 3 vols. 8vo. *Strasburg*, 1825.

——. L'Alsace. Nouvelle Description historique et topographique des deux départemens du Rhin. Supplément. 8vo. *Strasburg*, 1828.

Auldjo (John). Narrative of an Ascent to the Summit of Mont Blanc, on the 8th and 9th August, 1827. (Tract.) 4to. *London*, 1828.

——. Sketches of Vesuvius, with short accounts of its principal eruptions. 8vo. *Naples*, 1832.

——. View of Cape Uncino near the Torre dell' Annunziata, of the Source of the Acqua Vesuviana, and of the remains of a Cypress discovered standing upright in the tufa, 34 feet below the surface of the ground. (Tract.) 4to. *Naples*, 1833.

Austen (H. H. Godwin-). Descriptions of nine species of *Alycœinæ* from Assam and the Nágá Hills. (Tract.) 8vo. *Calcutta*, 1874.

——. Notes on the Geology of part of the Dafla Hills, Assam; lately visited by the Force under Brigadier-General Stafford. (Tract.) 8vo. *Calcutta*, 1875.

——. The Evidence of past Glacial Action in the Nágá Hills, Assam. (Tract.) 8vo. *Calcutta*, 1875.

Austen (John H.). A Guide to the Geology of the Isle of Purbeck, and the South-west coast of Hampshire. (Tract.) 2 copies. 8vo. *Blandford*, 1852.

Austen (Nathaniel Laurence). Natural History Papers and Memoir. Edited by Frank Buckland. 8vo. *London*?, 1877.

Austen (Robert Alfred Cloyne, *afterwards* Godwin-). On the Geology of the South-east of Devonshire. (Tract.) 4to. *London*, 1840.

——. Figures of Fossils from the Lower Limestones of South Devon. (Tract.) 4to.

——. On the Series of Upper Palæozoic Groups in the Boulonnais, with a note by D. Sharpe. (Tract.) 8vo. *London*, 1853.

——. See Forbes (Edward).

Austin (C. E.). Geological notes on the locality in Siberia where Fossil Fish and *Estheriæ* have been found. With a note on *Estheria Middendorfii*, by T. Rupert Jones. (Tract.) 8vo. *London*, 1863.

——. On the Cleansing of Rivers. (Tract.) 8vo. *London*, 1872.

——. Undeveloped Resources of Turkey in Asia, with notes on the Railway to India. (Tract.) 8vo. *London*, 1878.

Austin (Thomas). On a new Genus of Echinoderm, and observations on the genus *Palæchinus*. (Tract.) 18vo. *London*, 1860.

——. The Millstone Grit, its Fossils, and the Relation it bears to other groups of Rocks, more particularly as it occurs in the Bristol District, and South-west of England generally. (Tract.) 8vo. *London* and *Bristol*, 1865.

——. On Lower Silurian Rocks in the South-east of Ireland, and on a Human Skeleton in an elevated sea-margin. (Tract.) 8vo. *London*, 1860.

—— and **Austin** (Thomas, *Jun.*). A Monograph on recent and fossil Crinoidea. (Incomplete.) 4to. *London* and *Bristol*, 1843.

Australia. Australian Direct Steam Navigation Company, *viâ* Panama. Prospectus. (Tract.) 8vo. *London*, 1853.

Australian Gold Fields. Newspaper extract. *Sydney*, 1861.

Australia (South). See South Australia.

Australia (Western). See Western Australia.

Austria. Instruzioni per uso de' Medici e Chirurghi incaricati di pubblico servizio negli Imperiali e Reali Stati Austriaci risguardanti le visite giudiziali dei Cadaveri. (Tract.) 4to. *Milan*, 1818.

——. Die Mineralkohlen Oesterreichs. Eine Uebersicht der geologischen, Betriebs- und Absatzverhältnisse. Aus Anlass der Pariser Weltausstellung zusammengestellt im k. k. Ackerbau-Ministerium. 8vo. *Vienna*, 1878.

——. Mining Statistics. See Rossiwall (Josef).

Aveline (W. T.). See Surveys: England and Wales.

Avicenna. See Geber.

Ayrton (W. E.). See Perry (John).

Azaïs (H.). Explication des Puits artésiens. (Tract.) 8vo. *Paris*, 1841.

Azara (Felix de). Selections from the Natural History of the Quadrupeds of Paraguay and the River la Plata. Translated with notes by W. Perceval Hunter. 8vo. *London*, 1837.

——. Natural History of the Quadrupeds of Paraguay and the River La Plata, translated, with a memoir of the Author, etc. by W. Perceval Hunter. Vol. I. 8vo. *Edinburgh* and *London*, 1838.

Azara (Giuseppe Niccola d'). See Bowles (William).

B.

B * * * (R.). Crag. (Tract.) 8vo. *London*, 1866.

B * * * (W. of London). A Touchstone for Gold and Silver Wares, or a Manual for Goldsmiths, etc. 8vo. *London*, 1677.

Babbage (Charles). Charge against the late Sir Humphry Davy. See Davy (John).

——. On the Application of Machinery to the purpose of Calculating and Printing Mathematical Tables. (Tract.) 4to. *London*, 1822.

——. Table of Logarithms of the natural numbers from 1 to 108,000. 2nd edition. 8vo. *London*, 1831.

——. On the Economy of Machinery and Manufactures. 8vo. *London*, 1832.

——. The ninth Bridgewater Treatise: a Fragment. 2nd edition. 8vo. *London*, 1838.

——. Observations on the Temple of Serapis at Pozzuoli, near Naples. 8vo. *London*, 1847.

——. Thoughts on the Principles of Taxation, with reference to a Property Tax, and its Exceptions. 3rd edition. (Tract.) 8vo. *London*, 1852.

——. Of the Constants of Nature. Class Mammalia. (Tract.) 4to. *Brussels*, 1853.

——. Notice sur la Machine suédoise de MM. Scheutz pour calculer les Tables mathématiques par la Méthode des Différences, etc. (Tract.) 4to. *Paris*, 1855.

——. An Analysis of the Statistics of the Clearing House during the year 1839. (Tract.) 8vo. *London*, 1856.

——. A Word to the Wise. Observations on Peerages for Life. (Tract.) 8vo. *London*, 1856.

——. Observations addressed, at the last anniversary, to the President and Fellows of the Royal Society, after the delivery of the medals [in reference to Messrs. Scheutz's calculating machine]. (Tract.) 8vo. *London*, 1856.

——. Scheutz's Difference Engine, and Babbage's Mechanical Notation. (Tract.) 8vo. *London*, 1856.

——. Observations on the discovery in various localities of the Remains of Human Art mixed with the Bones of Extinct Races of Animals. (Tract.) 8vo. *London*, 1859.

Babington (Churchill). See Potter (T. R.).

Babington (William). A Systematic Arrangement of Minerals. 4to. *London*, 1795.

——. A new System of Mineralogy in the form of a Catalogue. 4to. *London*, 1799.

Bach (J. F.). Introduction à la connaissance des montagnes, des vallées, des lacs et des rivières de la Suisse, etc. Revue par J. B. B. Eyries. (Tract.) 8vo. *Paris*, 1842.

Bache (Alexander Dallas). On the Tides of the Western Coast of the United States.—Tides of San Francisco Bay, California. (Tract.) 8vo. *New Haven*, 1856.

——. On the Tides of the Atlantic and Pacific Coasts of the United States; the Gulf Stream; and the Earthquake-waves of December 1854. 8vo. *New Haven*, 1854.

Bachmann (Isidor). Quelques remarques sur une note de M. Rénevier, intitulée: "Quelques observations géologiques sur les Alpes de la Suisse centrale (Schwytz, Uri, Unterwalden et Berne) comparées aux Alpes Vaudoises." (Tract.) 8vo. *Berne*, 1869.

——. Beschreibung eines Unterkiefers von *Dinotherium bavaricum*, H. v. Meyer, aus dem Berner Jura. (Schw. paläont. Gesellschaft.) 4to. *Basle* and *Geneva*, 1875.

——. Fossile Eier aus der obern Süsswassermolasse der Umgebung von Luzern. (Schw. paläont. Gesellschaft.) 4to. *Basle* and *Geneva*, 1878.

Back (George). Narrative of the Arctic Land Expedition to the mouth of the Great Fish River, and along the shores of the Arctic Ocean, in the years 1833, 1834, and 1835. 8vo. *London*, 1836.

Backwell (Joseph). An Introduction to the Study of Mineralogy, or Students Pocket Companion. 8vo. *Halifax*, 1826.

Bacon (Francis), *Lord Verulam*. Biographical Notice. See LIEBIG (Justus von).

Baddeley (F. F.). A new Instrument for taking Specific Gravities. (Tract.) 8vo. *New Haven*, 1830.

——. On the red colour of flame as produced by Strontian, and as characteristic of minerals of that genus. (Tract.) 8vo. *New Haven*, 1830.

——. Mineralogical examination of the Sulphate of Strontian from Kingston, Upper Canada. (Tract.) 8vo. *New Haven*, 1830.

——. A geological sketch of the most south-eastern portion of Lower Canada. (Tract.) 8vo. *Quebec*, 1837.

——. On the Magdalen Islands, being the substance of four reports. (Tract.) 8vo. *Quebec*, 1837.

Baden. Beiträge zur Statistik der inneren Verwaltung des Grossherzogthums Baden. Heft xxiii. and xxv. Geologische Beschreibung der Umgebungen von Waldshut, [und] von Lahr und Offenburg. Herausgegeben von dem Handels-Ministerium. 4to. *Carlsruhe*, 1867.

——. Pièces relatives à l'établissement des Bains gazeux aux thermes de Baden en Suisse, en 1824. (Tract.) 8vo. *Aarau?*, 1824.

Baer (Carl Ernst von). De fossilium mammalium reliquis in Prussia adjacentibusque regionibus repertis. (Tract.) 4to. *Königsberg*, 1823.

——. Kaspische Studien. (Tract.) 8vo. *St. Petersburg*, 1855.

—— and **Helmersen** (G. von). Beiträge zur Kenntniss des russischen Reiches und der angränzenden Länder Asiens. Vol. xxi. Geognostische Untersuchungen im mittleren Russland, von G. von Helmersen and R. Pacht. 8vo. *St. Petersburg*, 1858.

Bagot (Andrew H.). Exhibition of 1865. Reply to letter of G. W. Maunsell, Esq., of 21st October, 1865. (Tract.) 8vo. *Dublin?*, 1865.

Baier (Johann Jacob). ΟΡΥΚΤΟΓΡΑΦΙΑ Norica, sive rerum fossilium et ad minerale regnum pertinentium in territorio Norimbergensi ejusque vicinia observatarum succincta descriptio. 4to. *Nuremberg*, 1708.

——. ——. Cum supplementis A. MDCCXXX. editis. 4to. *Nuremberg*, 1758.

Baier (Johann Jacob). Monumenta rerum petrificatarum præcipua oryctographiæ Noricæ, supplementi loco iungenda, interprete filio Ferdinando Jacobo Baiero. 4to. *Nuremberg*, 1757.

Bailey (L. W.). Observations on the Geology of Southern New Brunswick. 8vo. *Fredericton*, 1865.

Bailly (Jean Sylvain). Lettres sur l'Atlantide de Platon et sur l'ancienne Histoire de l'Asie; pour servir de suite aux lettres sur l'origine des sciences, adressées à M. de Voltaire par M. Bailly. 8vo. *London* and *Paris*, 1779.

Baily (Francis). Biography. See Herschel (*Sir* John Frederick William).

——. An account of the Rev. John Flamsteed, the first Astronomer-Royal ... to which is added his British Catalogue of Stars, corrected and enlarged. With Supplement. 2 vols. 4to. *London*, 1835–37.

——. Experiments with the torsion rod, for determining the mean density of the earth. 4to. *London*, 1843.

Baily (William Hellier). Description of some Cretaceous Fossils from South Africa. (Tract.) 8vo. *London*, 1855.
See also Garden (R. J.).

——. Descriptions of Fossil Invertebrata from the Crimea. (Tract.) 8vo. *London*, 1858.

——. On the occurrence of some characteristic Graptolites and other fossils, indicating certain divisions of the Lower Silurian Rocks in the counties of Meath, Tipperary, and Clare. (Tract.) 8vo. *London*, 1862.

——. Remarks on some Coal-measure Crustacea belonging to the genus *Belinurus*, König., with descriptions of two new species from Queen's County, Ireland. (Tract.) 8vo. *London*, 1863.

——. Figures of Characteristic British Fossils, with descriptive remarks. Vol. i. Palæozoic. 2 copies. 8vo. *London*, 1875.

——. See Hull (Edward).

Bain (A. G.). Geology of South Africa. (Tracts.) 8vo. *Grahamstown*, 1856–57.

Baird (S. F.). See Red River and Surveys: California.

Baird (W.). The Natural History of the British Entomostraca. (Ray Society.) 8vo. *London*, 1850.

——. See British Museum.

Baker (Henry). An Attempt towards a Natural History of the Polype. 8vo. *London*, 1743.

Baker (James P.). See Reports, Parliamentary. Mines.

Baker (John Gilbert). The Flowering Plants and Ferns of Great Britain: an attempt to classify them according to their Geognostic relations. (Tract.) 8vo. London, 1855.

Baker (Thomas). Practical Survey of the Geology, Mineralogy, and Historical Events of the District of Dudley, etc. 8vo. *Birmingham*, 1848.

Baker (W.). The Cannington Park Limestone. (Tract.) 8vo.

Baker (W. E.). Memoir on the Fossil Remains presented to the Museum of Natural History at Ludlow. (Tract.) 8vo. *Ludlow*, 1850.

Bakewell (F. C.). Geology for Schools and Students; or former Worlds, their Structure, Condition, and Inhabitants. 8vo. *London*, 1854.

——. Considerations respecting the Figure of the Earth, in relation to the action of Centrifugal Force, etc. (Tract.) 8vo. *London*, 1862.

——. A Dynamical Theory of the Figure of the Earth, proving the Poles to be elongated. (Tract.) 8vo. *London*, 1867.

Bakewell (Robert). Travels; comprising observations made during a residence in the Tarentaise and various parts of the Grecian [Graian] and Pennine Alps, and in Switzerland and Auvergne in the years 1820, 1821, and 1822. 2 vols. 8vo. *London*, 1823.

——. On the Falls of Niagara, and on the Physical Structure of the adjacent country. (Tract.) 8vo. *London*, 1830.

——. An Introduction to Geology, illustrative of the General Structure of the Earth. 8vo. *London*, 1813.

——. ——. 4th edition. 8vo. *London*, 1833.

——. ——. 5th edition. 8vo. *London*, 1838.

Bald (Robert). On the Temperature of Air and of Water in the Coal-mines of Great Britain, particularly in those which are of the greatest depth. (Tract.) 8vo. *Edinburgh*, 1819.

Baldassari (Giuseppe). Osservazioni sopra il sale della Creta, con un saggio di produzioni naturali dello Stato senese. (Tract.) 8vo. *Sienna*, 1750.

Balfour (Edward). See Reports, Colonial. India.

Balfour (John Hutton). A Manual of Botany. 8vo. *London*, 1849.

——. Biography of the late Professor Edward Forbes. (Tract.) 8vo. *Edinburgh*, 1855.

Ball (John). On the Formation of Alpine Lakes. (Tract.) 8vo. *London*, 1863.

——. A Guide to the Eastern Alps. 8vo. *London*, 1870.

——. The Central Alps. 8vo. *London*, 1873.

——. A Guide to the Western Alps. 8vo. *London*, 1873.

Ball (Robert). Annual Address delivered before the Geological Society of Dublin, February 16, 1853. With an Appendix, containing the Titles of Papers read before the Geological Society of Dublin to 1853. (Tract.) 8vo. *Dublin*, 1853.

Ball (Valentine). On Stilbite from veins in Metamorphic (Gneiss) rocks in Western Bengal. (Tract.) 8vo. *Dublin*, 1879.

——. On the Forms and Geographical Distribution of Ancient Stone Implements in India. (Tract.) 8vo. *Dublin*, 1879.

Balot. Notice géologique sur la Baume de Balot. (Tract.) 8vo. *Bar-sur-Seine.*

Baly (Joseph S.). See British Museum.

Bammarata (Carologirn). Quarta relatione de lu lacrimusu successu alle 30 de Maiu 1669, di lu focu di Mongibeddu, in terza rima Siciliana. (Tract.) 8vo. *Naples*, 1669?

Barante (C. J.). Essai sur le Département de l'Aude. 8vo. *Geneva*, 1803.

Barba (Albaro Alonso). A Treatise of Metals, Mines, etc., translated by the Earl of Sandwich. See Metals, Mines, and Minerals.

Barboza du Bocage (José Vicente) and **Capello** (Felix de Brito). Apontamentos para a Ichthyologia de Portugal. Peixes Plagiostomos. 1ra parte. Esqualos. (Tract.) 4to. *Lisbon*, 1866.

Bárcena (Mariano). Descubrimiento de una nueva especie mineral de México. (Tract.) 4to. *Mexico*, 1874.

——. Viaje a la laverna de Cacahuamilpa: datos para la Geologia y la Flora de los Estados de Morelos y Guerrero. (Tract.) 8vo. *Mexico*, 1874.

——. Datos para el estudio de las rocas mesozoicas de México y sus fósiles característicos. (Tract.) 8vo. *Mexico*, 1875.

——. Descripcion de un Crustaceo fosil del genero *Spheroma*. 8vo. *Mexico*, 1875.

Barelli (Vincenzo). Cenni di statistica mineralogica. 8vo. *Turin*, 1835.

Baretti (Giuseppe). See DICTIONARIES: Italian and English.

Baretti (M.). See GASTALDI (B.).

Barkas (Thomas Phillister). Results of the Fossil-gathering from the Northumberland Low Main Coal-shale. 8vo. *Newcastle*, 1868.

——. Atlas of Carboniferous fossils from the Northumberland Carboniferous Strata. Fol. *London*, 1873.

——. Illustrated Guide to the Fish, Amphibian, Reptilian, and supposed Mammalian remains of the Northumberland Carboniferous strata. 8vo. *London*, 1873.

Barkas (W. J.). List of Palæozoic Fishes. (Tract.) 8vo. *London*, 1874.

——. The Microscopical Structure of Fossil Teeth from the Northumberland true Coal-measures. (Imperfect.) 8vo. *London*, 1874.

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——. Two new Palæozoic Hybodont Teeth. 2 copies. 8vo. *London*, 1878.

Barker (Henry Aston). A short Description of the Island of Elba, and town of Porto Ferrajo. (Barker's Panorama.) (Tract.) 8vo. *London*, 1815.

Barlow (Henry Clark). Critical, Historical, and Philosophical Contributions to the Study of the Divina Commedia. 8vo. *London*, 1864.

Barlow (Peter William). On some peculiar Features of the Water-bearing strata of the London basin. (Tract.) 8vo. *London*, 1855.

Barral (P. de). Mémoire sur l'histoire naturelle de l'île de Corse. 8vo. *London* and *Paris*, 1783.

——. See BREISLAK (Scipion).

Barrande (Joachim). Notice préliminaire sur le Système Silurien et les Trilobites de Bohême. (Tract.) 8vo. *Leipzig*, 1846.

Barrande (Joachim). Nouveax Trilobites; supplément à la Notice préliminaire sur le Système Silurien et les Trilobites de Bohême. (Tract.) 8vo. *Prague*, 1846.

——. Graptolites de Bohême. 8vo. *Prague*, 1850.

——. Système Silurien du Centre de la Bohême. Vols. i.–v. Texte et Planches (16 vols.). (Vol. i. Text and Plates, and Vol. ii. Text and Plates 351–460 in duplicate.) 4to. *Prague*, 1852, *etc.*

——. Observations sur les rapports de la Stratigraphie et de la Paléontologie. (Tract.) 8vo. *Paris*, 1854.

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——. On the Primordial Fauna and the Taconic System: with additional notes by Jules Marcou. (Tract.) 8vo. *Boston*, 1860.

——. Troncature normale ou périodique de la coquille dans certains Céphalopodes paléozoïques. (Tract.) 8vo. *Paris*, 1860.

——. Documents anciens et nouveaux sur la faune primordiale et le Système Taconique en Amérique. (Tract.) 8vo. *Paris*, 1861.

——. Défense des Colonies. i.–iv. 8vo. *Prague* and *Paris*, 1861–70.

——. Assentiment du professeur James Hall et autres documents nouveaux, au sujet de la faune primordiale en Amérique. (Tract.) 8vo. *Paris*, 1862.

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——. Céphalopodes Siluriens de la Bohême. Introduction. (Tract.) 8vo. *Prague* and *Paris*, 1867.

——. Ptéropodes Siluriens de la Bohême. Introduction. (Tract.) 8vo. *Prague* and *Paris*, 1867.

——. Groupement des Orthocères. (Tract.) 8vo. *Prague* and *Paris*, 1868.

——. I. Réapparition du genre *Arethusina*, Barr. II. Faune Silurienne des environs de Hof, en Bavière. (Tract.) 8vo. *Prague* and *Paris*, 1868.

Barrande (Joachim). Distribution des Céphalopodes dans les contrées Siluriennes. 8vo. *Prague* and *Paris*, 1870.
——. Trilobites. Extrait du Supplément au vol. I. du 'Système Silurien du centre de la Bohême.' 8vo. *Prague* and *Paris*, 1871.
——. Crustacés divers et Poissons des dépôts Siluriens de la Bohême. (Tract.) 8vo. *Prague* and *Paris*, 1872.
——. Céphalopodes. Etudes Générales. Extraits du 'Système Silurien du centre de la Bohême.' (Tract.) 8vo. *Prague* and *Paris*, 1877.
——. Brachiopodes. Etudes locales. Extraits du 'Système Silurien du centre de la Bohême.' Vol. V. Brachiopodes. 8vo. *Prague* and *Paris*, 1879.
——. See Prado (Casiano de) and Nicol (James).
——, **Logan** (*Sir* William), and **Hall** (James). Correspondence on the Taconic System, and the age of the fossils found in the rocks of Northern New England and the Quebec group of rocks. (Tract.) 8vo. *New Haven*, 1861.
Barrett (Lucas). See Sawkins (James G.).
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Barry (Charles). See Reports : Parliamentary. Building Stones.

Barry (*Sir* Redmond). Address on the opening of the School of Mines, at Ballarat, Victoria. (Tract.) 8vo. *Melbourne*, 1870.

Barry (—.) A trip to the [South African] Diamond Fields. (Tract.) 8vo. *London*, 1871.

Barton (Benjamin Smith). A discourse on some of the principal desiderata in Natural History, and on the best means of promoting the study of this science, in the United States. (Tract.) 2 copies. 8vo. *Philadelphia*, 1807.

Bartlett (Thomas). A treatise on British Mining, etc. 8vo. *London*, 1850.

Bartlett (T. O.). Catalogue [sale] of his very valuable collection of stuffed birds, rare fossils, etc. (Tract.) 8vo. *Swanage*, 1841.

*** See Proc. Geol. Soc. No. 13.

Barton (Richard). Lectures in Natural Philosophy. 4to. *Dublin*, 1751.

Basaltic Mountains. 50 plates, engraved by J. Leonardi. Fol. *London?*, 1807.

Basset (C. A.). See Playfair (John).

Basterot (B. de). Mémoire géologique sur les environs de Bordeaux. 1re partie. 4to. *Paris*, 1825.

Bateman (John). An account of sundry experiments made to ascertain the specific gravity and thickness of the different strata, or layers of coal, &c. in the Bannock, Main, and Six Quarters bands, or seams of coal in Howgill and Whingill Coallieries, near Whitehaven. (Tract.) *Manuscript*, 1793.

Bathoe (Charles). Conformation of the Alps. (Tract.) 8vo. *London*, 1862.

Bathurst (C.). On the Country between Bedford and Stamford. (Tract.) MS.

Batsch (A. J. G. C.). Taschenbuch für topographische Excursionen in die umliegende Gegend von Jena. 2 vols. 8vo. *Weimar*, 1800–02.

Baudon (Auguste). Catalogue des Mollusques du département de l'Oise. (Tract.) 8vo. *Beauvais*, 1853.

——. Notice sur quelques Térébratules du Calcaire grossier, non décrites jusqu'à ce jour. (Tract.) 8vo. *Beauvais*, 1855.

Bauerman (Hilary). A treatise on the Metallurgy of Iron. 8vo. *London*, 1868.

——. Note on the New deep Adit in the Upper Harz Mines. (Tract.) 8vo. *London*, 1868.

——. Coal [from the Encyclopædia Britannica, 9th edit.). 4to. *London*, 1877.

——. See Surveys: Great Britain. Museum of Practical Geology.

Bauernfeind (Carl Maximilian). Die Bedeutung moderner Gradmessungen. Vortrag in der öffentlichen Sitzung der. k. (bayerischen) Akademie der Wissenschaften am 25. Juli 1866 gehalten. 4to. *Munich*, 1866.

Baxendell (Joseph). On the "Iris Diaphragm," for determining star magnitudes. (Tract.) 8vo. *Manchester* ?, 1863.

Bayan (F.). Etudes faites dans la collection de l'Ecole des Mines sur les Fossiles nouveaux ou mal connus. 1re fascicule. Mollusques tertiaires. (Tract, lith.) 4to. *Paris*, 1870.

——. Observations sur la coupe des terrains du Bas-Bugey donnée par M. Falsan. (Tract.) 8vo. *Paris*, 1873.

——. (Observations sur les études faites dans la collection de l'Ecole des Mines sur des fossiles nouveaux ou mal connus.) (Tract.) 8vo. *Paris*, 1873.

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Bäyer (Adolf). Ueber die chemische Synthese: Festrede . . . . gehalten in der öffentlichen Sitzung der k. b. Akademie der Wissenschaften zu München, 1878. 4to. *Munich*, 1878.

Bayer (Joseph). Topographisches Handbuch vom mährisch-schlesischen Gouvernement zum nüzlichen Gebrauche für Geschäftsmänner und Privatpersonen. 8vo. *Brünn* and *Ollmütz*, 1817.

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Bayo (Joaquin Ezquerra del). See Ezquerra del Bayo (Joaquin).

Bazus (*Baron* de). See Lapeirouse (Picot de).

'Beagle' and 'Adventure' Expedition. The Zoology of the Voyage of H.M.S. 'Beagle,' during the years 1832–1836. Edited by Charles Darwin. Fossil Mammalia described by Richard Owen, with a geological introduction by Charles Darwin. 4to. *London*, 1838.

'Beagle' and 'Adventure' Expedition. Part II. Mammalia, by George R. Waterhouse, and Fish, by Charles Darwin. Part III. Birds, by John Gould. 2 vols. 4to. *London*, 1839.

——. Narrative of the Surveying Voyages of H.M.SS. *Adventure* and *Beagle*, describing their Examination of the Southern Shores of South America. Vol. III. Journal and Remarks, 1832–1836. By C. R. Darwin. 8vo. *London*, 1839.

——. See DARWIN (Charles).

Beardmore (Nathaniel). Improvement and Drainage of the Metropolis. Suggestions for a New Street through the City of London, with a leading Aqueduct, Sewer, &c. (Tract.) 8vo. *London*, 1850.

——. Hydraulic Tables. 8vo. *London, Edinburgh, Liverpool, etc.*, 1852.

——. Manual of Hydrology. 8vo. *London*, 1862.

Beaufort (Francis). Karamania, or a Brief description of the South Coast of Asia Minor, and of the Remains of Antiquity. 2nd edition. 8vo. *London*, 1818.

——. Memoir of a Survey of the Coast of Karamania, made in 1811 and 1812. (Tract.) 2 copies. 8vo. *London*, 1820.

——. See ADMIRALTY PUBLICATIONS.

Beaufoy (Mark). Nautical and Hydraulic Experiments, with Numerous Scientific Miscellanies. Vol. I. 4to. *London*, 1834.

Beaulieu (—). See DELESSE (Achille).

Beaumont (L. Elie de). See ÉLIE DE BEAUMONT (L.).

Beautemps-Beaupré (C. F.) and **Daussy** (P.). Exposé des travaux relatifs à la reconnaissance hydrographique des côtes occidentales de France, suivi d'un précis des opérations géodésiques. 4to. *Paris*, 1829.

Beavan (Hugh J. C.). See POUCHET (Georges).

Becher (Johann Philipp). Mineralogische Beschreibung der oranien-nassauischen Lande nebst einer Geschichte des siegenschen Hütten- und Hammerwesens. 8vo. *Marburg*, 1789.

Bechi (E.). Studi sulla formazione dei Soffioni boraciferi e nuovi metodi praticati in Toscana per ottenere dai medesimi, etc. (Tract.) 8vo. *Florence*, 1858.

Bechler (Gustavus R.). Geograpnical Report on the Middle and South Parks, Colorado, and adjacent Country. (Tract.) 8vo. *Washington*, 1877.

Beck (Joseph). See LUBBOCK (Sir John).

Beck (Lewis C.). See NEW YORK (Natural History of).

Becker (Friedrich). See SERIALS, etc.: Hanau. Wetterauische Gesellschaft; and SURVEYS: HESSE.

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Beckles (S. H.). The Sea-Beach Question. (Tract.) 8vo. *Hastings*, 1870.

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——. See Admiralty Publications.

Belgium. Mining Industries and Coal trade of Belgium. (Tract.) 8vo. *London*, 1863.

Belgrand (E.). Histoire générale de Paris. La Seine. 4to. *Paris*, 1869.

——. La Seine; études hydrologiques. Atlas. 4to. *Paris*, 1872–73.

Bell (Alfred). Catalogue des Mollusques fossiles des marnes bleues de Biot, près Antibes, Alpes-Maritimes. (Tract.) 8vo. *Paris*, 1870.

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Bell (Isaac Lowthian). See Armstrong (W. G.).

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Bell (Thomas). Addresses read at the Anniversary Meetings of the Linnean Society, May 24, 1854, and May 24, 1855. (Tracts.) 8vo. *London*, 1854–55.

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——. A Monograph of the Fossil Malacostracous Crustacea of Great Britain. (Palæontographical Society.) 4to. *London*, 1857.

——. See Belcher (*Sir* Edward), Burmeister (Hermann), British Museum, Owen (Richard), and Serials, etc. London. Palæontographical Society.

Bellardi (Luigi). Description des Cancellaires fossiles des terrains du Piémont. (Tract.) 4to. *Turin*, 1841.

——. Monografia delle Pleurotome fossili del Piemonte. (Tract.) 4to. *Turin*, 1847.

——. Monografia delle Columbelle fossili del Piemonte. (Tract.) 4to. *Turin*, 1848.

Bellardi (Luigi). Catalogue raisonné des fossiles nummulitiques du Comté de Nice, avec la collaboration de MM. E. Sismonda, d'Archiac, et Jules Haime. (Tract.) 4to. *Paris*, 1850.

——. Monografia delle Mitre fossili del Piemonte. (Tract.) 2 copies. 4to. *Turin*, 1850.

——. Catalogo ragionato dei fossili nummulitici d'Egitto della raccolta del Regio Museo Mineralogico di Torino. (Tract.) 4to. *Turin*, 1854.

——. I Molluschi dei terreni Terziari del Piemonte e della Liguria. Parte I. 4to. *Turin*, 1872.

——. See Lessona (M.).

—— and **Michelotti** (Giovanni). Saggio orittografico sulla Classe dei Gasteropodi fossili dei terreni Terziari del Piemonte. (Tract.) 4to. *Turin*, 1840.

Bellefonds (— Linant de). See Linant de Bellefonds (—).

Bellucci (Giuseppe). Avanzi dell' epoca preistorica dell' uomo nel territorio di Terni. (Tract.) 8vo. *Milan*, 1870.

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Belpaire (B.). Mémoire sur les changements que la côte d'Anvers à Boulogne a subis, tant à l'intérieur qu'à l'extérieur, depuis la conquête de César jusqu'à nos jours. (Tract.) 4to. *Paris*, 1827.

Belt (Thomas). Mineral Veins: an enquiry into their origin, founded on a study of the Auriferous Quartz veins of Australia. (Tract.) 8vo. *London*, 1861.

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——. On the Geological age of the Deposits containing Flint Implements, at Hoxne, in Sussex [Suffolk], and the Relation the Palæolithic Man bore to the Glacial Period. (Tract.). 8vo. *London*, 1876.

——. On the First Stages of the Glacial Period in Norfolk and Suffolk. (Tract.) 8vo. *London*, 1877.

——. On the Loess of the Rhine and the Danube. (Tract.) 8vo. *London*, 1877.

Belt (Thomas). The Glacial Period in the Southern Hemisphere. (Tract.) 8vo. *London*, 1877.

——. The Steppes of Southern Russia. (Tract.) 8vo. *London*, 1877.

——. Discovery of Stone Implements in Glacial Drift in North America. (Tract.) 8vo. *London*, 1878.

Bendyshe (Thomas). See BLUMENBACH (Johann Friedrich).

Benecke (E. W.). Geognostich-paläontologische Beiträge. 2 vols. 8vo. *Munich*, 1868–76.

—— and COHEN (E. C.). Geognostische Beschreibung der Umgegend von Heidelberg, zugleich als Erläuterungen zur geognostichen Karte der Umgegend von Heidelberg. Heft 1. 8vo. *Strasburg*, 1879.

—— ——. Geognostiche Karte der Umgegend von Heidelberg. Blatt 1. & 2. (Tracts.) *Strasburg*, 1874–77.

Beneden (P. J. van). Mémoire sur les vers intestinaux. 4to. *Paris*, 1861.

——. La Côte d'Ostende et les Fouilles d'Anvers. (Tract.) 8vo. *Brussels*, 1862.

——. Recherches sur les Squalodons (ossements provenant du Crag d'Anvers). (Tract.) 4to. *Brussels*, 1865.

——. Description des ossements fossiles des environs d'Anvers. 1re partie. Pinnipèdes ou Amphithériens. (Annales du Musée d'Histoire Naturelle de Belgique. Tome I.) 8vo. Atlas, 4to. *Brussels*, 1877.

—— and **Dupont** (Ed.). Sur les ossements humains du trou du Frontal. (Tract.) 8vo. *Brussels*, 1865.

—— and **Koninck** (L. de). Notice sur le *Palædaphus insignis*. (Tract.) 8vo. *Brussels*, 1864.

Benett (*Miss* Etheldred). Sketches of Fossil Alcyonia from the Greensand formation at Warminster Common, and in the immediate vicinity of Warminster in Wiltshire. 4to. (MS.) 1816.

——. A Catalogue of the Organic Remains of the county of Wilts. 2 copies. *Warminster*, 1831.

——. Catalogue of Wiltshire Fossils. (Tract.) Fol. *London*, 1831.

——. The Measure of the different Beds of Stone in Chicksgrove Quarry in the Parish of Sisbury (?), Wiltshire. (MS. slip.)

Bengal. Selections from the Records of the Bengal Government, Nos. vi., viii., and xiii. (Tracts.) 8vo. *Calcutta*, 1852–1853.

Bennet (H. G.). See ANON., FRANCE.

Bennett (Edward Turner). On some Fishes from the Sandwich Islands. (Tract.) 8vo. *London*, 1828?

Bennett (F. J.). The Geological Survey and its relations to Agriculture. (Tract.) 8vo. *Diss*, 1879.

Bennett (John Joseph). See BROWN (Robert).

Benson (Lawrence S.). The Truth of the Bible upheld; or Truth *v.* Science. "My visit to the Sun." Nos. 1 and 2. (Tracts.) 8vo. *London*, 1864.

Benson (Starling). An Account of the Cave Deposit of Bacon Hole. (Tract.) 8vo. *Swansea*, 1851.

Benson (W. H.) See LEA (Isaac).

Bentham (Jeremy). Essay on Political Tactics. (Tract.) 4to. *London*, 1791.

Benvenuti (Giuseppe). Istituzioni di Mineralogia con la maggior chiarezza disposte per facilmente imparare a conoscere i Fossili. 8vo. *Parma*, 1790.

Benza (P. M.). Geological Sketch of the Neilgherries. (Tract.) 8vo. *Calcutta*, 1835.

——. Memoirs on the Geology of the Neilgherry and Koondah Mountains. (Tract.) 8vo. *Madras*, 1836.

——. Notes on the Geology of the Country between Madras and the Neilgherry Hills, viâ Bangalore and viâ Salem. (Tract.) 8vo. *Madras*, 1836.

——. Notes, chiefly Geological, of a Journey through the Northern Circars in the year 1835. (Tract.) 8vo. Madras, 1837.

Benzon (R. von Fischer-). See **Fischer-Benzon** (R. von).

Berchem (J. P. Berthout van). See Berthout van Berchem (J. P.).

Berdan's Crushing Machine. On Berdan's crushing and amalgamating machine, by the Secretary of the Institution of Mining Engineers. (Tract.) 8vo. *Birmingham*, 1854.

Berendt (George Carl). Die Insekten im Bernstein; ein Beitrag zur Thiergeschichte der Vorwelt. Heft I. (Tract.) 4to. *Dantzig*, 1830.

——. Geologie des kurischen Haffes und seiner Umgebung zugleich als Erläuterung zu Section 2, 3 und 4 der geologischen Karte von Preussen. 4to. *Königsberg*, 1869.

Berg (Ernst von). Repertorium der Literatur über die Mineralogie, Geologie, Paläontologie, Berg- und Hüttenkunde Russlands. (Tract.) 8vo. *St. Petersburg*, 1862.

Bergazzano (Giovanni Battista). I prieghi di Partenope: Idilio. (Tract.) 12mo. *Naples*, 1632.

Berger (Andr. Reinholdt). De fructibus et seminibus ex formatione lithanthracum. (Tract.) 4to. *Warsaw*, 1849.

Berger (H. A. C.). Die Versteinerungen der Fische und Pflanzen im Sandsteine der Coburger Gegend. (Tract.) 4to. *Coburg*, 1832.

——. Die Versteinerungen im Röth von Hildburghausen. (Tract.) 8vo. *Stuttgart*, 1859.

——. Die Versteinerungen des Schaumkalks am Thüringerwald. (Tract.) 8vo. *Stuttgart*, 1860.

Berger (Jean François). Extract of a letter on Guernsey. (Tract.) MS.

——. Geognostic Remarks upon the Rocks in the immediate vicinity of Dublin. (Tract.) Fcap. fol. Manuscript. No date.

——. On Curved and other Strata. (Tract.) MS.

——. On the Blade-bone or Scapula of some large Cetaceous Animal got out of the Lake of Geneva. Fol. manuscript.

——. On the Physical Constitution of the Passage of Mount St. Gothard. (Tract.) Fcap. fol. Manuscript, 1817.

Berger (Louis). Broderip (William-John), Ancien magistrat, Naturaliste, Littérateur, Membre de la Société Royale de Londres, etc., etc. Extrait du Mémorial Historique. (Tract.) 8vo. *Paris*, 1856.

Bergh (Augustus). A Theory of the Periodic Inundations of each Hemisphere. 8vo. *London*, no date

Bergh (Rudolph). Bidrag til en anatomisk Undersögelse af *Marsenina prodita* (Lovén). (Tract.) 8vo. *Copenhagen*, 1857.

Bergman (Torbern). Opuscula physica et chemica. 5 vols. 8vo. *Stockholm, Upsala*, etc., 1779–88.

——. Physical and Chemical Essays; translated with notes and illustrations by Edmund Cullen. 2 vols. 8vo. *London*, 1784.

——. A Dissertation on Elective Attraction, translated from the Latin. 8vo. *London*, 1785.

——. Manuel du Minéralogiste: ou Sciagraphie du Règne Minéral, distribuée d'après l'analyse chimique; mise au jour par M. Ferber, et traduite et augmentée de Notes par M. Mongez le jeune; nouvelle édition, considérablement augmentée par J. C. De La Métherie. 2 vols. 8vo. *Paris*, 1792.

Beringer (Johann Barthol. Adam). Lithographiæ Wirceburgensis, ducentis lapidum figuratorum, a potiori insectiformium, prodigiosis imaginibus exornatæ Specimen primum, quod in dissertatione inaugurali physico-historica . . . . submittit Georgius Ludovicus Hueber. 2 copies. 4to. *Würzburg*, 1726.

See also Leschevin (Ph. X.).

Berkeley (Miles Joseph). See Griffith (J. W.).

Berkley (James J.). Paper on the Bhore Ghaut Railway incline. 8vo. *Bombay*, 1858.

——. Paper on the Bhore Ghaut incline of the Great Indian Peninsula Railway; with an Appendix by A. A. West. (Tract.) 8vo. *Bombay*, 1863.

Bernard (J. J. B.). See Breislak (Scipione).

Berne. See Jura.

Berneaud (Arsenne Thiébaut de). A Voyage to the Isle of Elba; with notices of the other Islands in the Tyrrhenian Sea. Translated from the French by William Jerdan. 8vo. *London*, 1814.

Berney (Saffold). Hand Book of Alabama, a complete Index to the State; with a Geological Map, and an Appendix of useful Tables. 8vo. *Mobile, Ala.*, 1878.

Bernhard (Reinhard). Wat men thans weet van de Geologie. [Vol. xxi. of the "Verhandelingen uitgegeven door Teyler's Tweede Genootschap.] 4to. *Haarlem*, 1832.

Bernoulli (Christoph). Geognostiche Uebersicht der Schweiz, nebst einem systematischen Verzeichnisse aller in diesem Lande vorkommenden Mineralkörper und deren Fundörter. 8vo. *Basle*, 1811.

Beroldingen (Franz von). Bemerkungen auf einer Reise durch die pfälzischen und zweybrückischen Quecksilber-Bergwerke; herausgegeben, und mit einer Vorrede begleitet von J. D. Brandis. 8vo. *Berlin*, 1788.

——. Die Vulkane älterer und neuerer Zeiten. 2 vols. 8vo. *Mannheim*, 1791.

Béron (Pierre). Système de Géologie et origine des Comètes. (Tract.) 8vo. *Paris*, 1847.

——. Chronologie du Monde. (Tract.) 8vo. *Paris*, 1862.

——. Extrait de la 'Physique Céleste' contenant l'état de la terre et l'homme avant et après le déluge. 8vo. *Paris*, 1867

Bertera (—). See BOULANGER (—).

Berthier (P.). Essais sur le cuivre gris de Sainte-Marie-aux-Mines, département du Haut-Rhin. (Tract.) 8vo. *Paris*, 1825.

——. Glasiger Feldspath vom Mont-d'Or und vom Drachenfels. Abstract. (Tract.) 8vo. *Leipzig*, 1834.

——. Note sur la chaux phosphatée des mines de houille de Fins, Allier, avec une Note de M. Guillemin. (Tract.) 8vo. *Paris*, 1825.

——. Sur le traitement métallurgique des alliages de cuivre et d'argent. (Tract.) 8vo. *Paris*, 1825.

Berthollet (Claude Louis). Recherches sur les lois de l'Affinité. (Tract.) 4to. *Paris*, 1799.

——. See GUYTON DE MORVEAU (L. B.).

Berthoud (P.). See RENEVIER (E.).

Berthout van Berchem (J. P.). Itinéraire de la vallée de Chamonix, d'une partie du Bas-Vallais, et des montagnes avoisinantes. 8vo. *Lausanne*, 1790.

Bertrand (Alexandre). The Revolutions of the Globe, familiarly described. Translated by S. C. Horry. 12mo. *London*, 1835.

Bertrand (Elie). Mémoires sur la structure intérieure de la terre. 8vo. *Zurich*, 1752.

——. Mémoires Historiques et Physiques sur les Tremblemens de Terre. 12mo. *The Hague*, 1757.

——. Dictionnaire universel des fossiles propres, et des fossiles accidentels. 2 vols. 8vo. *The Hague*, 1763.

——. Recueil de divers Traités sur l'histoire naturelle de la terre et des fossiles. 4to. *Avignon*, 1766.

Bertrand (Louis). Renouvellemens périodiques des Continens terrestres. 2nd edition. 8vo. *Geneva*, 1803.

Bertrand (Philippe). Nouveau système sur les Granits, les Schistes, les Mollaces, et autres pierres vitreuses, précédé de quelques observations sur les Pyrénées. (Tract.) 8vo. *Paris*, 1795.

——. Nouveaux principes de Géologie, Minéralogie, Géographie-physique, etc. 8vo. *Paris*, 1797.

——. ——. 2nd edition. 8vo. *Paris*, 1803.

Bertrand-Roux (**de Doue**) (J. M.). Description géognostique des Environs du Puy en Velay, etc. 8vo. *Paris*, 1823.

——. Mémoire sur les ossemens fossiles de Saint-Privat, et sur le terrain basaltique où ils ont été découverts. (Tract.) 8vo. *Puy*, 1828.

——. Mémoire sur les ossemens fossiles de Saint-Privat d'Allier. (Tract.) 8vo. *Puy*, 1829.

——. De la fréquence comparée des vents supérieurs et inférieurs sous le climat du Puy en Velay et de leur distribution. (Tract.) 4to. *Paris*, 1851.

——. Troisième Mémoire sur la fréquence comparée des vents supérieurs et inférieurs d'après les observations faites au Puy, à Bruxelles et à Goersdorff, Bas-Rhin. (Tract.) 8vo, *Paris*, 1855.

——. Quatrième Mémoire sur la fréquence et la capacité pluvieuse des vents supérieurs et inférieurs, sur la station du Puy. (Tract.) 4to. *Paris*, 1857.

Berzelius (J. Jacob). An attempt to establish a pure scientific system of Mineralogy, by the application of the electro-chemical theory and the chemical proportions. Translated from the Swedish by John Black. 8vo. *London*, 1814.

——. Neues System der Mineralogie. Aus dem Schwedischen übersetzt von Chr. Gmelin und W. Pfaff. 8vo. *Nuremberg*, 1816.

——. Analyse chimique de l'Euclase. (Tract.) 4to. *Paris*, 1819.

——. The Use of the Blowpipe in chemical analysis. Translated from the French of M. Fresnel by J. G. Children. 8vo. *London*, 1822.

——. The Analysis of Inorganic Bodies. Translated from the French by G. O. Rees. (Tract.) 8vo. *London*, 1833.

—— and **Marcet** (Alexander). Experiments on the Alcohol of Sulphur, or Sulphuret of Carbon. (Tract.) 8vo. *London*, 1813.

Beskow (Bernhard von). Om förflutna tiders svenska Ordboks-företag. Tal i Kongl. Vetenskaps-Akademien vid præsidii nedläggande den April 1856. (Tract.) 8vo. *Stockholm*, 1857.

Besson (Charles?). Particularités remarquables dans quelques granits et roches primitives. (Tract.) 4to. *Paris*, 1789.

Beudant (François Sulpice). Mémoire sur la structure des parties solides des Mollusques, des Radiaires et des Zoophytes. (Tract.) 4to. *Paris*, 1810.

——. Mémoire sur la possibilité de faire vivre des Mollusques fluviatiles dans les Eaux salées, et des Mollusques marins dans les Eaux douces, considérée sous le rapport de la Géologie. (Tract.) 2 copies. 4to. *Paris*, 1816.

——. Recherches tendantes à déterminer l'importance relative des formes cristallines, etc. (Tract.) 2 copies. 8vo. *Paris*, 1817.

——. Voyage minéralogique et géologique en Hongrie pendant l'année 1818. 3 vols. and plates. 4to. *Paris*, 1822.

——. Géologie. (Cours élémentaire d'histoire naturelle, par MM. Milne-Edwards, A. de Jussieu, et F.-S. Beudant.) 8vo. *Paris*, 1840?

——. ——. 5th edition. 8vo. *Paris*, 1851.

——. See Elie de Beaumont (L.).

Beurard (J. B.). Dictionnaire Allemand-Français, contenant les Termes Propres à l'Exploitation des Mines, etc. 8vo. *Paris*, 1809.

Beuth (Francisco). Juliæ et Montium subterranea sive Fossilium variorum per utrumque Ducatum hinc inde repertorum Syntagma, . . . In Museo F. Beuth. 8vo. *Düsseldorff*?, 1776.

Bevan (G. P.). On the South Wales Coal-field. (Tract.) 8vo. *London*, 1860.

Bewick (Joseph). Geological treatise on the district of Cleveland, in North Yorkshire, with some observations on Ironstone Mining. 8vo. *London* and *Newcastle*, 1861.

Bexhill. Account of the Measures sunk and bored through at Bexhill, in the county of Sussex. MS. slip.

Beyrich (Heinrich Ernst). Beiträge zur Kenntniss der Versteinerungen des rheinischen Uebergangsgebirges. Erstes Heft. (Tract.) 2 copies. 4to. *Berlin*, 1837.

——. De Goniatitis in Montibus Rhenanis occurrentibus. (Tract.) 4to. *Berlin*, 1837.

——. Ueber einige böhmische Trilobiten. (Tract.) 4to. *Berlin*, 1845.

Beyrich (Heinrich Ernst). Bericht über die von Overweg auf der Reise von Tripoli nach Murzuk und von Murzuk nach Ghat gefundenen Versteinerungen. (Tract.) 8vo. *Berlin*, 1852.

——. Ueber die Stellung der hessischen Tertiärbildungen. (Tract.) 8vo. *Berlin*, 1854.

——. Ueber die Lagerung der Kreideformation im schlesischen Gebirge. (Tract.) 4to. *Berlin*, 1855.

——. Ueber den Zusammenhang der norddeutschen Tertiärbildungen. (Tract.) 4to. *Berlin*, 1856.

——. Ueber die Abgrenzung der oligocänen Tertiärzeit. (Tract.) 8vo. *Berlin*, 1858.

——. Ueber einige Trias-Ammoniten aus Asien. (Tract.) 8vo. *Berlin*, 1864.

——. Ueber eine Kohlenkalk-Fauna von Timor. (Tract.) 4to. *Berlin*, 1865.

——. Ueber einen *Pterichthys* von Gerolstein. (Tract.) 8vo. *Berlin*, 1877.

——. Ueber jurassische Ammoniten von Mombassa. (Tract.) 8vo. *Berlin*, 1877.

——. Ueber Hildebrandt's geologische Sammlungen von Mombassa. (Tract.) 8vo. *Berlin*, 1878.

Bianconi (Gian Antonio). Escursioni geologiche e mineralogiche nel Territorio Porrettano. (Tract.) 8vo. *Bologna*, 1867.

Bianconi (Giovanni Giuseppe). Sul sistema vascolare delle foglie considerato come carattere distintivo per la determinazione delle Filliti. (Tract.) 8vo. *Bologna*, 1838.

——. Storia Naturale dei terreni ardenti, dei vulcani fangosi, delle sorgenti infiammabili, dei Pozzi idropirici, e di altri fenomeni geologici, etc. (Tract.) 8vo. *Bologna*, 1840.

——. Se il mare abbia in tempi antichi occupato le pianure ed i colli d' Italia, di Grecia, dell' Asia Minore, ec. e del terreno marino detto Marna bleu Subapennina. (Tract.) 8vo. *Bologna*, 1844.

——. De mari olim occupante planities et colles Italiae, Graeciae, Asiae Minoris, etc. et de aetate terreni quod geologi appellant *Marnes bleues*. 4to. *Bologna*, 1846–52.

——. Repertorium Italicum complectens Zoologiam, Mineralogiam, Geologiam et Palaeontologiam. (Repertorio Italiano per la Storia Naturale.) Vols. I. (2 copies) and II. 8vo. *Bologna*, 1853–54.

——. Alcune ricerche sui capreoli delle Cucurbitacee. (Tract.) 4to. *Bologna*, 1855.

——. Descrizione delle forme cristalline di Zolfo delle Miniere del Cesenate. (Tract.) 4to. *Bologna*, 1861.

——. Del calore prodotto per l'attrito fra fluidi e solidi in rapporto colle sorgenti termali e cogli aeroliti. (Tract.) 8vo. *Bologna*, 1862.

——. Dell' *Epyornis maximus* menzionato da Marco Polo e da Fra Mauro. (Tract.) 4to. *Bologna*, 1862.

——. On Meteorites. (Tract.) 8vo. *London*, 1863.

——. Studi sul Tarso-metatarso degli Uccelli, ed in particolare su quello dell' *Æpyornis maximus*; continuazione e fine. (Tract.) 4to. *Bologna*, 1865.

Bianconi (Giovanni Giuseppe). Intorno al giacimento delle Fuciti nel Calcare Eocenico. (Tract.) 8vo. *Milan*, 1867.

——. Osservazioni sul femore e sulla tibia dell' *Æpyornis maximus*. (Tract.) 8vo. *Bologna*, 1870.

——. Esperienze intorno alla flessibilità del ghiaccio. (Tract.) 4to. *Bologna*, 1871.

——. ——. Memoria seconda. (Tract.) 4to. *Bologna*, 1876.

Bibliography. See CARUS and ENGELMANN, ENGELMANN, and SERIALS, etc. CAMBRIDGE, MASS. (Harvard University) and LONDON (Ray Society and Royal Society).

Bibra (Ernst von). Beiträge zur Naturgeschichte von Chile. 4to. *Vienna*, 1853.

Bichat (Xavier). Anatomie Générale, appliquée à la Physiologie et à la Médecine. Nouvelle édition, avec notes et additions par P. A. Béclard. 4 vols. 8vo. *Paris*, 1821.

Bicheno (James Ebenezer). On Systems and Methods in Natural History. (Tract.) 4to. *London*, 1827.

Bickmore (Albert S.). Some Remarks on the recent Geological Changes in China and Japan. (Tract.) 8vo. *New Haven*, 1868.

Bidder (George Parker). The National Defences. (Tract.) 8vo. *London*, 1861.

Biddle (Nicholas). Eulogium on Thomas Jefferson, delivered before the American Philosophical Society. (Tract.) 8vo. *Philadelphia*, 1827.

Biden (James). Religious Reformation imperatively demanded; Bishop Colenso's Critical Inquiries answered; the Inspiration of Scripture maintained. 8vo. *London* and *Gosport*, 1864.

Biden (W. Downing). Rules, Formulæ, and Tables, for the Valuation of Estates, &c. 8vo. *London*, 1861.

Biedermann (W. G. A.). Petrefacten aus der Umgegend von Winterthur; II. Die Braunkohlen von Elgg; III. *Mastodon angustidens*, Cuv. (Tracts.) 4to. *Winterthur*, 1863–68.

——. Chéloniens tertiaires des environs de Winterthur. Traduction française par O. Bourrit. (Tract.) 4to. *Winterthur*.

——. *Mastodon angustidens*, Cuv. (Schw. paläont. Gesellschaft.) 4to. *Basle* and *Geneva*, 1876.

Bieling (Carl). Geschichte der Entdekkung, auch Darstellung des geognostischen Vorkommens der bey dem Dorfe Thiede am Lindenberge im Herzogthume Braunschweig gefundenen merkwürdigen Gruppe fossiler Zähne und Knochen urweltlicher Thiere. (Tract.) 4to. *Wolfenbüttel*, 1818.

Bielz (E. A.). Fauna der Land- und Süsswasser-Mollusken Siebenbürgens. 8vo. *Hermannstadt*, 1863.

Bigot de Morogues (P. M. S.). Mémoire historique et physique sur les chutes des pierres tombées sur la surface de la terre à diverses époques. 8vo. *Orleans*, 1812.

Bigsby (John J.). The Shoe and Canoe, or pictures of travel in the Canadas. 2 vols. 8vo. *London*, 1850.

——. On the Organic Contents of the older Metamorphic Rocks. (Tract.) 8vo. *Edinburgh*, 1863.

——. *Thesaurus Siluricus*. The Flora and Fauna of the Silurian Period. 2 copies. 4to. *London*, 1868.

Bigsby (John J.). *Thesaurus Devonico-Carboniferus.* The Flora and Fauna of the Devonian and Carboniferous Periods. 4to. *London*, 1878.

Billing (Archibald). The Science of Gems, Jewels, Coins and Medals, ancient and modern. 8vo. *London*, 1867.

Billings (E.). On the Fossil Corals of the Devonian Rocks of Canada West. (Tract.) 8vo. *Montreal*, 1859.

——. New Species of Silurian Fossils. (Geological Survey of Canada.) (Tract.) 8vo. *Montreal*, 1862.

——. On the Parallelism of the Quebec Group with the Llandeilo of England and Australia, and with the Chazy and Calciferous Formations. (Tract.) 8vo. *Montreal*, 1863.

——. On the Remains of the Fossil Elephant found in Canada. (Tract.) 8vo. *Montreal*, 1863.

——. See SURVEYS: CANADA.

—— and **Devine** (T.). Geological Survey of Canada:—1. Parallelism of the Quebec Group; 2. Description of a New Trilobite from the Quebec Group; 3. On the Remains of the Fossil Elephant found in Canada. (Tract.) 8vo. *Montreal*, 1863.

Binkhorst van den Binkhorst (J. T. van). Notice géologique sur le terrain Crétacé des environs de Janche et de Ciply. (Tract.) 8vo. *Maestricht*, 1858.

——. Esquisse géologique et paléontologique des couches Crétacées du Limbourg. Partie I. 8vo. *Maestricht*, 1859.

——. Monographie des Gastéropodes et des Céphalopodes de la Craie supérieure du Limbourg. (Tract.) 4to. *Brussels* and *Maestricht*, 1861.

——. ——. New edition. 4to. *Brussels* and *Leipzig*, 1873.

Binney (Amos). The Terrestrial Air-breathing Mollusks of the United States and the adjacent Territories of North America. 3 vols. 8vo. *Boston*, 1851.

Binney (Edward William). Notes on the Lancashire and Cheshire Drift. (Tract.) 8vo. *Manchester*, 1843.

——. On the Fossil Fishes of the Manchester Coal-field. (Tract.) 8vo. *London*, 1843.

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——. A glance at the Geology of Low Furness, Lancashire. (Tract.) 8vo. *Manchester*, 1848.

——. Description of a Mineral Vein in the Lancashire Coal Field, near Skelmersdale. (Tract.) 8vo. *Manchester*, 1849.

——. Remarks on a Vein of Lead found in the Carboniferous Strata of Derbyshire, near Whaley Bridge. (Tract.) 8vo. *Manchester*, 1849.

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——. On some Trails and Holes found in Rocks of the Carboniferous Strata, with remarks on the *Microconchus carbonarius*. (Tract.) 8vo. *Manchester*, 1852.

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Binney (Edward William). On the Origin of Ironstones, and more particularly the newly discovered Red Stone at Ipstones, near Cheadle, Staffordshire; with some account of the Ironstones of South Lancashire. (Tract.) 8vo. *Manchester*, 1854.

——. On the Permian Beds of the North-west of England. (Tract.) 8vo. *Manchester*, 1855.

——. Additional observations on the Permian Beds of the North-west of England. (Tract.) 8vo. *London*, 1857.

——. Fossil Shells in the Lower Coal Measures. (Tract.) 8vo. *Manchester*, 1860.

——. Gases found in Coal-mines, and on Mining Lamps. (Tract.) 8vo. *London*, 1859.

——. Additional Observations on the Permian Beds of South Lancashire. (Tract.) 8vo. *Manchester*, 1861.

——. On *Sigillaria* and its Roots. (Tract.) 8vo. *Manchester*, 1862.

——. Further Observations on the Carboniferous, Permian, and Triassic Strata of Northumberland and Dumfries. (Tracts.) 8vo. *Manchester*, 1863.

——. On *Stigmaria*. (Tract.) 8vo. *Manchester*, 1864.

——. A few remarks on Mr. Hull's Additional observations on the Drift-deposits in the neighbourhood of Manchester. (Tract.) 8vo. *Manchester*, 1865.

——. A Description of some Fossil Plants, showing structure, found in the Lower Coal-seams of Lancashire and Yorkshire. (Tract.) 4to. *London*, 1865.

——. Further observations on the Permian and Triassic Strata of Lancashire. (Tract.) 8vo. *Manchester*, 1865.

——. On some of the Objects of the Manchester Geological Society, and the best Means of attaining them. (Tract.) 8vo. *Manchester*, 1865.

——. On the Upper Coal Measures of England and Scotland. (Tract.) 8vo. *Manchester*, 1866–67.

——. Observations on the Structure of Fossil Plants found in the Carboniferous Strata. (Palæontographical Society.) 4to. *London*, 1868 etc.

——. Note on the Organs of Fructification and Foliage of *Calamodendron commune* (?). (Tract.) 8vo. *London*, 1870.

——. On the Permian Strata of East Cheshire. (Tract.) 8vo. *Manchester*, 1870.

——. Additional Notes on the Lancashire Drift-deposits. (Tract.) 8vo. *Manchester*, 1872.

——. Fossil Plants of the Upper Foot Coal-seam. (Tract.) 8vo. *Manchester*, 1872.

——. Additional Notes on the Drift-deposits near Manchester. (Tract.) 8vo. *Manchester*, 1872–73.

——. Notice of some Organic Remains from the Schists of the Isle of Man. (Tract.) 8vo. *Manchester*, 1877.

——. Notice of a Fossil Plant found at Laxey, in the Isle of Man. (Tract.) 8vo. *Manchester*, 1878.

——. Notes on some Fossils from the Iron-mines of Furness. (Tract.) 8vo. *Manchester*, 1879.

Binney (Edward William). Notes on a bore through Triassic and Permian strata, lately made at Openshaw. (Tract.) 8vo. *Manchester*, 1880.

—— and **Harkness** (Robert). An account of the Fossil Trees found at St. Helen's. (Tract.) 8vo. *London*, 1845.

—— and **Talbot** (John Hawkshead). On the Petroleum found in the Down Holland Moss, near Ormskirk. (Tract.) 8vo. *Manchester*, 1843.

Binney (W. G.). Bibliography of North American Conchology, previous to the year 1860. Prepared for the Smithsonian Institution. Part II. Foreign Authors. 8vo. *Washington*, 1864.

——. See Bland (Thomas) and Gould (Augustus A.).

—— and **Bland** (Thomas). Land and Freshwater Shells of North America. Part I. 8vo. *Washington*, 1869.

Binnie (Alexander R.). Lectures. Water-supply, Rainfall, Reservoirs, Conduits and Distribution. Delivered at the School of Military Engineering, Chatham. Fol. *Chatham*, 1878.

Biot (Jean Baptiste). Biographical Notice. See Martius (Karl Friedrich Philipp von).

Birch (Colonel). A Catalogue [Sale] of his small but very fine collection of Organized Fossils, from the Blue Lias Formation at Lyme and Charmouth, in Dorsetshire. (Tract.) 8vo. *London*, 1820.

*** With figure of "an entirely unknown Crustaceous insect, approaching the *Palœmon* of Olivier."

Bird (John). See Young (George).

Birkmyre (W.). See Exhibition of 1862.

Birks (E.). See British Association. Sheffield Guide Book.

Birks (Rev. Canon). Uncertainties of Modern Physical Science. 2nd Edition. (Tract.) 8vo. *London*, 1876.

Birlinger (Anton). Schwäbisch-augsburgisches Wörterbuch. 8vo. *Munich*, 1864.

Bisching (Anton). See Hochstetter (Ferdinand von).

Bischof (F.). Die Steinsalzwerke bei Stassfurt. 8vo. *Halle*, 1875.

—— (Gustav). Physical, Chemical, and Geological researches on the Internal heat of the Globe. Vol. I. 8vo. *London*, 1841.

——. Lehrbuch der chemischen und physikalischen Geologie. 2 vols. 8vo. *Bonn*, 1847–54.

——. ——. 2te Auflage. 3 vols. (vol. II. in duplicate). 8vo. *Bonn*, 1863–66.

——. ——. Supplementband. 2 copies. 8vo. *Bonn*, 1871.

——. Elements of Chemical and Physical Geology. Translated from the manuscript of the author by Benjamin H. Paul and J. Drummond. 3 vols. 8vo. *London*, 1854.

——. Die Gestalt der Erde und der Meeresfläche und die Erosion des Meeresbodens. (Tract.) 8vo. *Bonn*, 1867.

Bischoff (James). Sketch of the History of Van Diemen's Land. 8vo. *London*, 1832.

Bischoff (Theodor Ludwig Wilhelm). Ueber die Brauchbarkeit der in verschiedenen europäischen Staaten veröffentlichten Resultate des Recrutirungs-Geschäftes zur Beurtheilung des Entwicklungs und Gesundheits-Zustandes ihrer Bevölkerungen. (Tract.) 8vo. *Munich*, 1867.

Bjerknes (C. A.). Ueber die geometrische Repräsentation der Gleichungen zwischen zwei veränderlichen, reellen oder komplexen Grössen (Tract.) 4to. *Christiania*, 1859.

Bjorn (Johannes Outzen). De indole et origine Aerolithorum. (Tract.) 8vo. *Odensee*, 1816.

Black (Adam). General Atlas. Fol. *Edinburgh*, 1853.

Black (James). On the Submerged Forests of Great Britain. (Tract.) 8vo. *Manchester*, 1843.

——. A Medico-topographical, Geological, and Statistical Sketch of Bolton and its neighbourhood. (Tract.) 8vo.

Black (John). See Berzelius (J. Jacob) and Buch (Leopold von).

Black (J. G.). See Hutton (F. W.).

Black (W. T.). On Rolled Pebbles from the Beach at Dunbar. (Tract.) 8vo. *Edinburgh*, 1877.

Blackie (W. G.). Imperial Gazetteer: a general Dictionary of Geography, Physical, Political, Statistical, and Descriptive. 2 vols. 8vo. *Glasgow*, *Edinburgh*, and *London*, 1856.

Blackwall (John). A History of the Spiders of Great Britain and Ireland. (Ray Society.) 4to. *London*, 1861–64.

Blackwell (J. Kenyon). Explosions in Coal Mines; their causes, and the means available for their prevention or control. 2 copies. (Tract.) 8vo. *London*, 1853.

——. See Reports (Parliamentary).

Blackwood (F. P.). See Admiralty Publications.

Blagden (*Sir* Charles). Experiments and Observations in an Heated Room. (Tract.) 4to. *London*, 1774.

——. Some observations on Ancient Inks, etc. (Tract.) 4to. *London*, 1787.

——. Experiments on the Cooling of Water below its freezing-point. (Tract.) 4to. *London*, 1788.

——. Experiments on the effect of various substances in lowering the point of congelation in water. (Tract.) 4to. *London*, 1788.

——. On the Heat of the Water in the Gulf-stream. (Tract.) 4to. *London*.

—— and **Nairne** (Edward). Proceedings relative to the Accident by Lightning at Heckingham. (Tract.) 4to. *London*, 1783.

Blainville (Henri M. Ducrotay de), Obituary notice. See Prevost (Constant).

——. Sur les Ichthyolites ou les poissons fossiles. (Tract.) 8vo. *Paris*, 1818.

——. Mémoire sur les Bélemnites, considérés zoologiquement et géologiquement. 2 copies. 4to. *Paris*, 1827.

——. Manuel d'Actinologie, ou de Zoophytologie. Text and plates. 8vo. *Paris*, 1834.

——. Sur les Singes fossiles. (Tract.) 4to. *Paris*, 1837.

——. Sur un nouvel envoi de fossiles provenant du dépôt de Sansan. (Tract.) 4to. *Paris*, 1837.

——. Ostéographie des Mammifères. 4 vols. 4to; Atlas, 4 vols. fol. *Paris*, *London*, etc., 1839–64.

—— and **Deslongchamps** (Eudes). Lettres sur les Crocodiles vivants et fossiles. (Tract.) 4to. *Caen*, 1852.

Blake (Charles Carter). On certain "Simious" Skulls, with especial reference to a skull from Louth, in Ireland. (Tract.) 8vo. *London*, 1865.

——. Sulphur in Iceland. (Tract.) 8vo. *London*, 1874.

——. See Broca (Paul).

Blake (Ethelstane H.). On the Primary Rocks of Donegal. (Tract.) 8vo. *Dublin*, 1862.

Blake (J. F.). Catechism of Zoology. 8vo. *London*, 1873.

——. On *Renulina Sorbyana*. (Tract.) 8vo. *London*, 1876.

——. On the Chalk of Yorkshire. (Tract.) 8vo. *London*, 1878.

——. See Tate (Ralph).

—— and **Hudleston** (W. H.). On the Corallian Rocks of England. 8vo. *London*, 1877.

Blake (J. H.). See Surveys: England and Wales.

Blake (William P.). (Explorations and Surveys for a Railroad Route from the Mississippi River to the Pacific Ocean.) Appendix to the Preliminary Geological Report. Palæontology; by S. A. Conrad, A. A. Gould, W. P. Blake, and L. Agassiz. (Tract.) 8vo. *Washington*, 1855.

——. Note upon a Peculiarity of the "Redwood" (Genus *Sequoia*). (Tract.) 8vo. *Washington*, 1855.

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——. On the Rate of Evaporation on the Tulare Lakes of California. (Tract.) 8vo. *New Haven*, 1856.

——. Sur l'action des anciens glaciers dans la Sierra Nevada de Californie et sur l'origine de la vallée de Yo-Semite. (Tract.) 4to. *Paris*, 1867.

——. Note upon the occurrence of fossil remains of the Tapir in California. (Tract.) 8vo. *New Haven*, 1868.

——. Explorations from the Mississippi to the Pacific. See Surveys: United States.

Blanchet (Rodolphe). Essai sur l'Histoire naturelle des environs de Vevey. (Tract.) 8vo. *Vevey*, 1843.

Bland (Thomas). Facts and Principles relating to the Origin and the Geographical Distribution of Mollusca. (Tract.) 8vo. *New Haven*, 1852.

Bland (Thomas). Note on the Geographical Distribution of the Terrestrial Mollusks which inhabit the Island of St. Thomas, W. I. (Tract.) 8vo. *New York*, 1854.

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——. On the Absorption of Parts of the Internal Structure of their Shells, by the animals of *Stoastoma*, *Lucidella*, *Trochatella*, *Helicina*, and *Proserpina*. (Tract.) 8vo. *New York*, 1854.

——. Description of two new Species of North American Helicidæ. (Tract.) 8vo. *New York*, 1858.

——. Remarks on certain Species of North American Helicidæ. (Tract.) 8vo. *New York*, 1858.

——. Remarks on certain Species of North American Helicidæ, with descriptions of new species. (Tract.) 8vo. *New York*, 1860.

——. On the Geological Distribution of the genera and species of Land Shells of the West India Islands, etc. (Tract.) 8vo. *New York*, 1861.

——. Memoir of Charles B. Adams, late Professor of Zoology in Amherst College, Massachusetts. (Tract.) 8vo. *Philadelphia*, 1865.

——. Notes on certain Terrestrial Mollusca, with descriptions of new species. (Tracts.) 8vo. *New York*, 1865–68.

——. Remarks on the Origin and Distribution of the Operculated Land Shells which inhabit the Continent of America and the West Indies. (Tract.) 8vo. *Philadelphia*, 1866.

——. Notes on the Land-shells of Trinidad, Grenada and Dominica, and also of Curaçao and Buen Ayre, W. I. (Tract.) 8vo. *Philadelphia*, 1868.

——. Notes relating to the Physical Geography and Geology of, and the Distribution of Terrestrial Mollusca in certain of the West India Islands. (Tract.) 8vo. *Philadelphia*, 1871.

——. Notes on certain Terrestrial Mollusks, with descriptions of new species. (Tract.) 8vo. *New York*, 1874.

——. See Binney (W. G.).

—— and **Binney** (W. G.). Description of *Hemphillia*, a new Genus of Terrestrial Mollusks. (Tract.) 8vo. *New York*, 1872.

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—— ——. On the Lingual Dentition and Anatomy of *Achatinella* and other Pulmonata. (Tract). 8vo. *New York*, 1873.

Blanford (Henry F.). Pre-historic Man. No. 1. On the Early Stone-age in Western Europe and India. (Tract.) 8vo. *Calcutta*, 1866.

——. Note on a Tank-section at Sealdah, Calcutta. (Tract.) 2 copies. 8vo.

——. The Rudiments of Physical Geography for the use of Indian Schools. 7th edition. 8vo. *London*, 1878.

——. See Salter (J. W.).

Blanford (William T.). Note on the Geology of the neighbourhood of Lynyan and Runneekote, North-West Kotree, in Sind. (Tract.) 8vo. *Calcutta*, 1867.

——. On the Geology of a portion of Cutch. (Tract.) 8vo. *Calcutta*, 1867.

——. Observations on the Geology and Zoology of Abyssinia. 2 vols. 8vo. *London*, 1870.

——. Description of the Geology of Nágpúr and its neighbourhood. (Tract.) 8vo. *Calcutta*, 1872.

——. Scientific Results of the Second Yarkand Mission, based upon the collections and notes of the late Ferdinand Stoliczka.—Geology. (Tract.) 4to. *Calcutta*, 1878.

——. Address delivered at the Annual Meeting of the Asiatic Society of Bengal, 1879. (Tract.) 8vo. *Calcutta*, 1879.

——. See Medlicott (H. B.).

Blank (Joseph Bonavita). Handbuch der Mineralogie. 8vo. *Würzburg*, 1810.

Blavier (Edouard). Essai de statistique minéralogique et géologique du département de la Mayenne. 8vo. *Paris* and *Mans*, 1837.

Blöde (Gottlob von). Ueber die Uebergangs-Gebirgsformation im Königreich Pohlen, etc. (Tract.) 8vo. *Breslau*, 1830.

——. Tabelle über die in den öffentlichen Museen zu St. Petersburg befindlichen Aerolithen und kurze Charakteristik derselben, so wie Angabe der hierüber vorhandenen Nachrichten. (Tract.) 4to. *St. Petersburg*, 1848.

Blofeld (J. H.). Algeria, past and present. 8vo. *London*, 1844.

Blomberg (A.). See Surveys: Sweden.

Blomefield (Leonard). Results of Meteorological Observations made at the Bath Royal Literary and Scientific Institution during ten years, commencing with March 1865, and ending with February 1875. (Tract.) 8vo. *Bath*, 1876.

Bloxam (Andrew.) See Potter (T. R.).

Bloxam (Thomas). On the Composition of the Building Sandstones of Craigleith, Binnie, Gifnock, and Partick Bridge, with a preliminary note by George Wilson. (Tract.) 8vo. *Edinburgh*, 1858.

Blum (J. Reinhard). Die Pseudomorphosen des Mineralreichs. 8vo. *Stuttgart*, 1843.

——. Nachtrag zu den Pseudomorphosen des Mineralreichs. 8vo. *Stuttgart*, 1847.

——. Zweiter Nachtrag zu den Pseudomorphosen des Mineralreichs. (Tract.) 8vo. *Heidelberg*, 1852.

——. ——. Dritter Nachtrag. 8vo. *Erlangen*, 1863.

——. ——. Vierter Nachtrag. 8vo. *Heidelberg*, 1879.

——. Lehrbuch der Oryktognosie. 8vo. *Stuttgart*, 1854.

Blumenbach (Johann Friedrich). Manuel d'Histoire Naturelle, traduit de l'Allemand par Soulange Artoud. 2 vols. 8vo. *Metz*, 1803.

——. Specimen Archæologiæ telluris, terrarumque imprimis Hannoveranarum. (Tract.) 4to. *Göttingen*, 1803.

——. Anthropological Treatises. Translated and edited by Thomas Bendyshe. 8vo. *London*, 1865.

Blyth (Edward). Catalogue of the Birds in the Museum of the Asiatic Society. 8vo. *Calcutta*, 1849.

Blyth (Edward). Mr. W. Theobald and Dr. Falconer. (Tract.) 8vo. *London*, 1870.

Blyth (John). See Harkness (Robert).

Boase (Henry S.). A Treatise on primary Geology. 8vo. *London*, 1834.

Böbert (K. F.). See Keilhau (B. M.). Gæa Norvegica.

Boblaye (Emile Le Puillon de). See Le Puillon de Boblaye (Emile).

Boccardo (Gerolamo). Sismopirologia. Terremoti, Vulcani ed oscillazioni del molo: saggio di una teoria di geografia fisica. 8vo. *Genoa*, 1869.

Böckeler (O.). See Von der Decken (Carl Claus). Reisen in Ost-Africa in 1859–1865.

Boeck (Christian). Bemærkning angaaende *Desmidium Swartzii* Agardh. (Tract.) 8vo. *Christiania*, 1832–33.

——. See Keilhau (B. M.). Gæa Norvegica.

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Boetius de Boot (Anselm). Gemmarum et Lapidum Historia, nunc vero recensuit ... Adrianus Toll. 8vo. *Leyden*, 1636.

——. ——. Tertia editio, longe purgatissima. Cui accedunt Joannis de Laet, de Gemmis et Lapidibus libri II. et Theophrasti liber de Lapidibus, Gr. et Lat. cum brevibus notis. 8vo. *Leyden*, 1647.

Bogg (E.). On Lincolnshire. (Tract.) MS.

Bohadsch (Joh. Bapt.). De quibusdam Animalibus Marinis, eorumque proprietatibus, orbi litterario vel nondum vel minus notis, liber, cum nonnullis tabulis æri incisis, ab auctore super vivis animalibus delineatis. 4to. *Dresden*, 1761.

Bohn (Henry G.). Catalogue of Books. Vol. I. containing Natural History, etc. 8vo. *London*, 1847.

Boisse (A. A. M.). Des moyens de soustraire l'exploitation des mines de houille aux chances d'explosion. 8vo. *Brussels*, 1840.

Boissy (Ange Bernard Mercier de). See Mercier de Boissy (Ange Bernard).

Boitard (M. P.). Manuel d'histoire naturelle, comprenant les trois règnes de la nature. 2 vols. 12mo. *Paris*, 1827.

——. ——. Atlas des Poissons, des Oiseaux et des Reptiles. 12mo. *Paris*, 1827.

——. Manuel d'entomologie ou histoire naturelle des Insectes. 2 vols. 12mo. *Paris*, 1828.

Bölsche (Wilhelm). Die Korallen des norddeutschen Jura- und Kreide-Gebirges. (Tract.) 8vo, *Berlin*, 1867.

Bolton (H. Carrington). Application of Organic Acids to the Examination of Minerals. (Tract.) 8vo. *New York*, 1877.

Bolton (John). Geological Fragments, collected principally from rambles among the rocks of Furness and Cartmel. 8vo. *Ulverston* and *London*, 1869.

Bombay. Magnetical and Meteorological Observations made at the Government Observatory, Bombay, in the years 1846–1864. 20 vols. Fol. *Bombay*, 1849–67.

Bonaparte (*Prince* Charles Lucien). Selachorum tabula analytica. 4to. *Bologna*, 1838.

——. Ornithologie fossile servant d'introduction au Tableau comparatif des Ineptes et des Autruches. (Tract.) 4to. *Paris*, 1856.

——. Tableaux paralléliques des oiseaux Præcoces ou Autophages. (Tract.) 4to. *Paris*, 1856

Bonaparte (*Prince* Napoléon). Expériences sur la direction de l'océan Atlantique septentrional. (Tract.) 4to. *Paris*, 1856.

Bond (Edward Augustus). See CAMBRIDGE. Speeches . . . by the Public Orator.

Bonite (Voyage de la). See CHEVALIER (E.).

Bonnard (A. H. de). Obituary Notice. See DUFRÉNOY.

——. Essai géognostique sur l'Erzgebirge, ou sur les montagnes métallifères de la Saxe. (Tract.) 8vo. *Paris*, 1816.

——. Fragments Géologiques et Minéralogiques, extraits du Nouveau Dictionnaire d'Histoire naturelle. (Roche, Terrains, Houille, Filon, Mines.) 8vo. *Paris*, 1819.

Bonney (Thomas George). The Alpine Regions of Switzerland and the neighbouring countries. 8vo. *Cambridge*, 1868.

——. The Lofoten Islands. (Tract.) 8vo. *London*, 1870.

——. Geology. 12mo. *London*, 1874.

——. Cambridgeshire Geology. A sketch for the use of students. 8vo. *Cambridge*, 1875.

Bonsdorff (Peter Adolph von). Mémoire ayant pour objet de démontrer l'analogie de composition des Minéraux qui cristallisent à la manière de l'Amphibole. (Tract.) 8vo. *Paris*, 1822.

——. New Investigation of the chemical composition of Red Silver Ore. Translation. (Tract.) 8vo. 1824.

——, **Bonsdorff** (Carl Gustav), and **Idman** (Gustav). Dissertatio chemica, nova experimenta naturam Pargasitæ illustrantia proponens. (Tract.) 4to. *Abo*, 1817

Boot (Anselm Boetius de). See BOETIUS DE BOOT (Anselm).

Borch (M. J. de). Lithologie Sicilienne, ou connaissance de la nature des pierres de la Sicile, suivie d'un discours sur la Calcara de Palerme. 4to. *Rome*, 1778.

——. Minéralogie Sicilienne. 8vo. *Turin*, 1780.

Bořický (Emanuel). Petrographische Studien an den Phonolithgesteinen, Basaltgesteinen und den Melaphyrgesteinen Böhmens. 8vo. *Prague*, 1873–76.

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Borkenstein (—). General v. Helvigs Methode, at lade Borehuller. (Tract.) 8vo. *Christiania*, 1832–33.

Born (Ignaz von). Index Fossilium quæ collegit et in classes ac ordines disposuit. 8vo. *Prague*, 1772.

——. Travels through the Bannat of Temeswar, Transylvania, and Hungary in the year 1770, to which is added John James Ferber's Mineralogical History of Bohemia. Translated from the German by R. E. Raspe. 8vo. *London*, 1777.

——. Voyage Minéralogique fait en Hongrie et en Transilvanie. Traduit par M. Monnet. 2 copies. 8vo. *Paris*, 1780.

Born (Ignaz von). Testacea musei Cæsarei Vindobonensis. 4to. *Vienna*, 1780.

——. Ueber das Anquicken der gold und silberhaltigen Erze, Rohsteine Schwarzkupfer und Hüllenspiese. 4to. *Vienna*, 1786.

——. Catalogue méthodique et raisonné de la collection des fossiles de Mlle. Eléonore de Raab. 2 vols. 8vo. *Vienna*, 1790.

Bornemann (J. G.). Ueber die Liasformation in der Umgegend von Göttingen und ihre organischen Einschlüsse. (Tract.) 2 copies. 8vo. *Berlin*, 1854.

——. Ueber organische Reste der Lettenkohlengruppe Thüringens. (Tract.) 4to. *Leipzig*, 1856.

Borre (A. Preudhomme de). Notes sur des empreintes d'insectes fossiles découvertes dans les schistes houillers des environs de Mons. (Tract.) 8vo. *Brussels*, 1875.

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Borson (Stefano). Catalogue raisonné du Musée d'Histoire Naturelle de l'Académie de Turin. Partie Minéralogique selon le système de M. A. Brongniart. Tome I. 8vo. *Turin*, 1811.

——. Mémoire sur des mâchoires et des dents du Mastodonte dit Mammouth, trouvées fossiles en Piémont. (Tract.) 4to. *Paris*, 1818.

——. Osservazioni intorno alle sostanze minerali di cui sono formati i monumenti del R. Museo Egizio, coll' enumerazione delle medesime. (Tract.) 8vo. *Turin*, 1826.

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Börtzell (Algernon). Beskrifning öfver Besiereckssteins Kromolithografi och Lithografi använda vid tryckningen af Geologisk Öfversigtskarta öfver Skåne. (Tract.) 4to. *Stockholm*, 1872.

Bosizio (Athanasius). Die Geologie und die Sündfluth. 8vo. *Mayence*, 1877.

Bosquet (J.). Description des Entomostracés fossiles des terrains tertiaires de la France et de la Belgique, avec rapport par M. de Koninck. (Tract.) 4to. *Brussels*, 1852.

——. Notice sur quelques Cirripèdes récemment découverts dans le terrain Crétacé du Duché de Limbourg. (Tract.) 4to. *Haarlem*, 1852.

——. Les Brachiopodes fossiles du terrain Crétacé Supérieur du Duché de Limbourg. 1e partie. (Tract.) 4to. *Haarlem*, 1859.

——. Recherches Paléontologiques sur le terrain tertiaire du Limbourg néerlandais. (Tract.) 4to. *Amsterdam*, 1859.

——. Coup-d'œil sur la répartition géologique et géographique des espèces d'animaux et de végétaux citées dans le tableau des fossiles Crétacés du Limbourg, inséré dans la dernière livraison de l'ouvrage du Dr. W. C. H. Staring sur le sol de la Néerlande. (Tract.) 8vo. *Amsterdam*, 1861.

——. Notice sur le genre *Sandbergeria*, genre nouveau de mollusques gastéropodes de la famille des Cerithiopsidæ. (Tract.) 4to. *Haarlem*, 1861.

——. Fossiele Fauna en Flora van het krijt van Limburg. (Tract.) 8vo.

Bosquet (J.). Notice sur deux nouveaux Brachiopodes trouvés dans le terrain tertiaire oligocène du Limbourg néerlandais et du Limbourg belge. (Tract.) 8vo. *Amsterdam*, 1862.

——. Notice sur quelques mollusques lamellibranches nouveaux trouvés dans les couches tertiaires du Limbourg belge. (Tract.) 8vo. *Brussels*.

Bosset (— de). Notice sur la présence temporaire de l' *Ophidium imberbe* (fierafer ou fierasfer) dans la cavité du corps d'une Holothurie orangée de la Faune française. (Tract.) 4to. *Neufchatel*, 1834.

Bossi (Luigi). Spiegazione di alcuni vocaboli Geologici, Litologici, Minerologici per ordine d'alfabeto, etc. 8vo. *Milan*, 1817.

Bostock (John). An account of the History and present state of Galvanism. 8vo. *London*, 1818.

——. Elementary System of Physiology. 3 vols. 8vo. *London*, 1824–27.

——. The first and thirty-third books of Pliny's 'Natural History,' a specimen, &c. (Tract.) 8vo. *London*, 1828.

——. On the Purification of Thames Water. (Tract.) 4to. *London*, 1829.

Botanical Congress, 1866. See Horticultural Exhibition.

Botfield (Beriah). Shropshire, its History and Antiquities. 4to. *London*, 1860.

Bott (Arthur). The Geology of Camberwell. Extracted . . . from "Y^e^ Parish of Camerwell." (Tract.) 8vo. *London*, 1875.

Böttger (Oskar). Ueber den Mergel vom Gokwe in Südafrika und seine Fossilien. (Tract.) 8vo. *Offenbach*, 1871.

——. Kurze Notizen über die im Laufe des Vereinsjahres 1871 auf 1872 in den geschichteten Formationen der Umgebung von Offenbach neu gemachten Fünde an Versteinerungen. (Tract.) 8vo. *Offenbach*, 1873.

——. *Spermophilus citillus*, var. *superciliosus*, Kaup, ein riesiger fossiler Ziesel von Bad Weilbach, nebst einer Kritik der bis jetzt in der Literatur erwähnten fossilen Spermophilusarten. (Tract.) 8vo. *Offenbach*, 1874.

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——. Die Tertiärfauna von Pebas am oberen Marañon. (Tract.) 8vo. *Vienna*, 1878.

——. See Verbeek (R. D. M.).

Bottio (Gaetano de). Ragionamento istorico intorno a' nuovi Vulcani comparsi nella fine dell' anno scorso 1760, nel territorio della Torre del Greco. 4to. *Naples*, 1761.

Boubée (Nérée). Tableau mnémonique des terrains primitifs. (Tract.) 8vo. *Paris*, 1831.

——. Promenade au Mont Dore, pour l'étude de la question des cratères de soulèvement. 12mo. *Paris*, 1833.

Bouchard-Chantereaux (—). Catalogue des Mollusques marins sur les Côtes du Boulonnais. (Tract.) 8vo. *Boulogne*, 1835.

Bouchard-Chantereaux (—). Catalogue des Mollusques terrestres et fluviatiles observés jusqu'à ce jour à l'état vivant dans le département du Pas-de-Calais. (Tract.) 8vo. *Boulogne*, 1837.

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——. Mémoire sur un nouveau genre de Brachiopodes, formant le passage des formes articulées à celles qui ne le sont pas. (Tract.) 8vo. *Paris*, 1849.

——. See Davidson (Thomas).

Boucheporn (Félix de). Etudes sur l'Histoire de la Terre, et sur les causes des révolutions de sa surface. 8vo. *Paris*, 1844.

Boucher de Crèvecœur de Perthes (Jacques). Antiquités celtiques et antédiluviennes. 3 vols. 8vo. *Paris*, 1847–64.

——. De l'Homme antédiluvien et ses œuvres. (Tract.) 2 copies. 8vo. *Paris*, 1860.

——. De la Génération spontanée. (Tract.) 8vo. *Paris*, 1861.

——. Nègre et Blanc: de qui sommes-nous fils? (Tract.) 8vo. *Paris*, 1861.

——. Des Idées innées: de la Mémoire et de l'Instinct. (Tract.) 8vo. *Paris*, 1867.

——. See Chatel (Victor).

Boué (Ami). Mémoire géologique sur les terrains anciens et secondaires du sud-ouest de l'Allemagne, au nord du Danube. (Tract.) 8vo. *Paris*, 1824.

——. Geognostisches Gemälde von Deutschland. Herausgegeben von C. C. von Leonhard. 8vo. *Frankfort*, 1829.

——. Essai géologique sur l'Ecosse. 8vo. *Paris*, 1829.

——. Résumé des observations de A. Boué, sur l'âge relatif des dépots secondaires dans les Alpes et les Carpathes. (Tract.) 8vo. *Paris*, 1830.

——. Mémoires Géologiques et Paléontologiques. Vol. I. 8vo. *Paris* and *Brussels*, 1832.

——. Guide du Géologue-Voyageur, sur le modèle de l'Agenda Geognostica de M. Leonhard. 2 vols. 8vo. *Paris*, 1835–36.

——. Esquisse géologique de la Turquie d'Europe. (Tract.) 2 copies. 8vo. *Paris*, 1840.

——. La Turquie d'Europe. 4 vols. 8vo. *Paris*, 1840.

——. Ueber eine Detail-Karte des Kraina-Knejina (oder Kraina-Kreises) Serbiens. (Tract.) 8vo. *Vienna*, 1856.

——. Auszug aus einem Schreiben des Herrn Ludwig Jeitteles. (Tract.) 8vo.

Bouillé (R. de). Paléontologie de Biarritz, et de quelques autres localités des Basses-Pyrénées. 8vo. *Pau*, 1873.

Bouillet (J. B.). Topographie minéralogique du département du Puy-de-Dôme, etc. (Tract.) 8vo. *Clermont-Ferrand*, 1829.

——. Catalogue des espèces et variétés de Mollusques, observés jusqu'à ce jour à l'état vivant, dans la Haute- et la Basse-Auvergne, ... suivi d'un autre Catalogue des espèces fossiles. (Tract.) 2 copies. 8vo. *Clermont*, 1836.

——. See Devèze de Chabriol (J. S.) and Lecoq (H).

Boulanger (C.). See Buch (Leopold von).

Boulanger (—) and **Bertera** (—). Texte explicatif de la Carte géologique du département du Cher. 8vo. *Paris*, 1850.

Boulay (N.). Le terrain houiller du Nord de la France. Thèse de géologie présentée à la Faculté des Sciences de Caen pour obtenir le grade de Docteur ès Sciences naturelles. 4to. *Lille*, 1876.

——. Recherches de paléontologie végétale sur le terrain houiller des Vosges. 8vo. *Colmar*, 1879.

Boulogne-sur-mer. Notice sur la Colonne des Bourbons. (Tract.) 4to. *Boulogne*, no date.

Boult (Joseph). On the alleged Submarine Forests on the Shores of Liverpool Bay and the River Mersey. (Tract.) 8vo. *Liverpool*, 1865.

——. Further Observations on the alleged Submarine Forests on the shores of Liverpool Bay and the River Mersey. (Tract.) 8vo. *Liverpool*, 1866.

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Bourguet (L.). Lettres Philosophiques sur la Formation des Sels et des Crystaux et sur la Génération et le Méchanisme organique des Plantes et des Animaux. 8vo. *Amsterdam*, 1729.

——. Traité des Petrifications. 4to. *Paris*, 1742.

Bourguignat (J. B.). *Ses* ouvrages scientifiques en vente. (Tract.) 8vo. *Paris*, 1862.

——. Histoire du Djebel-Thaya et des ossements fossiles recueillis dans la grande caverne de la Mosquée. 4to. *Paris*, 1870.

Bourjot (A. A.). Géogénie du double massif du Sahel d'Alger et des promontoires qui limitent ses rivages. Avec cartes et plans par F. A. Moliner-Violle. 8vo. *Algiers*, 1879.

Bourne (Auguste). Description pittoresque de la Grande-Chartreuse, suivie de notes sur la géologie, les fossiles, etc. (Tract.) 8vo. *Grenoble*, 1853.

Bournon (J. L., Comte de). Essai sur la Lithologie des environs de Saint-Etienne-en-Forez. 8vo. *Lyons*, 1785.

——. Traité complet de la Chaux carbonaté et de l'Arragonite. 2 vols. and plates. 4to. *London*, 1808.

——. Planches du Catalogue de la collection minéralogique. *London*, 1813.

——. Catalogue raisonné des Diamants dans le Cabinet de Sir Abraham Hume, Bart. 4to. *London*, 1815.

——. Mémoire sur la Société Géologique de Londres. (Tract.) MS.

Bourrit (Marc Théodore). Voyage aux Glacières de Savoye, fait en 1772. 8vo. *Geneva*, 1773.

Bourrit (Octave). See Biedermann (W. G. A.).

Boussingault (J. B.). See Rivero (Mariano de).

Bove (Vincenzo). Il Vesuvio acceso. (Tract.) 12mo. *Naples*, 1632.

Bowdich (T. Edward). An Analysis of the Natural Classification of Mammalia. 8vo. *Paris*, 1821.

——. An Introduction to the Ornithology of Cuvier. 8vo. *Paris*, 1821.

Bowdich (T. Edward). Elements of Conchology, including the Fossil genera and the Animals. 8vo. *Paris*, 1822.

Bowditch (Henry J.). An Address on the Life and Character of James Deane, M.D., of Greenfield, Mass. (Tract.) 8vo. *Greenfield*, 1858.

Bowen (*Sir* G. F.). Fourth Anniversary Address . . . New Zealand Institute. (Tract.) 8vo. *Wellington*, 1872.

Bowerbank (J. S.). On the Spongeous origin of Moss Agates and other siliceous bodies. (Tract.) 8vo. *London*, 1842.

——. A Monograph of the British Spongiadæ. (Ray Society.) 3 vols. 8vo. *London*, 1864–74.

——. Observations on the Tidal Transit of Beach Shingle. (Tract.) 8vo. *Hastings*, 1870.

——. On the Sea-Beach Question.—Two papers. 8vo. *Hastings*, 1870.

Bowles (William). Introduction à l'Histoire naturelle et à la Géographie physique de l'Espagne; traduite de l'original espagnol, par le Vicomte de Flavigny. 8vo. *Paris*, 1776.

——. Introduzione alla Storia naturale e alla Geografia fisica di Spagna: publicata e comentata dal Giuseppe Niccola d'Azara: tradotta da Francesco Milizia. 2 vols. 8vo. *Parma*, 1783.

——. Catalogue (Sale) of *his* valuable Collection of Minerals. (Tract.) 8vo. *London*, 1830.

Bowman (John Eddowes). On the Origin of Coal; and the Geological Conditions under which it was produced. (Tract.) 8vo. *Manchester*, 1840.

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Braccini (Giulio Cesare). Relazione dell' Incendio fattosi nel Vesuvio, 1631. (Tract.) 12mo. *Naples*, 1631.

Brady (George Stewardson). A Monograph of the free and semi-parasitic Copepoda of the British Islands. Vols. i., ii. (Ray Society.) 8vo. *London*, 1878–80.

——, **Crosskey** (Henry William), and **Robertson** (David). A Monograph of the Post-Tertiary Entomostraca of Scotland, including Species from England and Ireland. (Palæontographical Society.) 4to. *London*, 1874.

Brady (George Stewardson). See SERIALS, ETC.: LONDON, Palæontographical Society; JONES (T. R.).

Brady (Henry Bowman). On some Fossil Foraminifera from the West-coast District, Sumatra. (Tract.) 8vo. *London*, 1875.

——. A Monograph of Carboniferous and Permian Foraminifera (the Genus *Fusulina* excepted). (Palæontographical Society.) 4to. *London*, 1876.

——. See SERIALS, ETC.: LONDON, Palæontographical and Ray Societies; JONES (Thomas Rupert), and PARKER (W. Kitchen).

Brahe (Tycho). See SERIALS, ETC. COPENHAGEN. Danske Videnskabernes Selskab.

Braim (Thomas Henry). History of New South Wales, from its Settlement to the close of the year 1844. 2 vols. 8vo. *London*, 1846.

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Brancaleone (Salvatore). Biografia di Carlo Gemmellaro. (Tract.) 8vo. *Catania*, 1866.

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Brandenstein (W. F. von). Getreu aufgenommene Gebirgsgegenden und Höhlen um und bey Muggendorf, für Freunde der Natur- und Gebirgskunde. Sm. 4to. *Nuremberg*, 1811–16.

Brander (Gustavus). Fossilia Hantoniensia collecta et in Musæo Brittanico deposita. 3 copies. 4to. *London*, 1766.

Brandis (J. D.). See BEROLDINGEN (Franz von).

Brandt (Johann Friedrich). Bericht über eine Abhandlung: Untersuchung der Gattung *Hyrax* in anatomischer und verwandtschaftlicher Beziehung. (Tract.) 8vo. *St. Petersburg*, 1862.

——. Bericht über die Acquisitionen der zoologischen und zootomischen Sammlung der kaiserl. Akademie der Wissenschaften während des 1864sten Jahres, etc. (Tract.) 8vo. *St. Petersburg*, 1864.

——. Observationes de *Elasmotherii* reliquiis. (Tract.) 4to. *St. Petersburg*, etc., 1864.

——. Ueber die bisher aufgefundenen Reste des *Elasmotherium*. (Tract.) 8vo. *St. Petersburg*, 1864.

——. Bemerkungen über die Classification der kaltblütigen Rückenmarkthiere zur Beantwortung der Frage Was ist ein Fisch? (Tract.) 4to. *St. Petersburg*, 1865.

——. Bericht über den ersten Theil meiner Beiträge zur Kenntniss der Entwickelungsstufen der ganoiden Fischformen. (Tract.) 8vo. *St. Petersburg*, 1865.

Brandt (Johann Friedrich). Bericht über den zweiten Theil seiner "Beiträge zur Kenntniss der Entwickelungsstufen der Ganoiden." (Tract.) 8vo. *St. Petersburg*, 1865.

——. Bericht über eine Arbeit unter dem Titel: Zoographische und paläontologische Beiträge. (Tract.) 8vo. *St. Petersburg*, 1866.

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——. Mittheilungen über die Naturgeschichte des Mammuth oder Mamont, *Elephas primigenius*. (Tract.) 8vo. *St. Petersburg*, 1866.

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——. Zoogeographische und paläontologische Beiträge. 8vo. *St. Petersburg*, 1867.

——. Ueber das Haarkleid des ausgestorbenen nordischen (büschelhaarigen) Nashorns (*Rhinoceros tichorhinus*). (Tract.) 8vo. *St. Petersburg*, 1869.

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——. Ueber die von Adolph Göbel auf seiner persischen Reise bei der Stadt Maragha in der Provinz Aderbeidjan gefundenen Säugethierreste. (Tract.) 4to. *Riga*, 1870.

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——. Bemerkungen über die untergegangenen Bartenwale (Balænoiden), deren Reste bisher im Wiener Becken gefunden wurden. (Tract.) 8vo. *Vienna*, 1872.

——. Bericht über den bereits vollendeten, druckfertigen Theil seiner Untersuchungen über die fossilen und subfossilen Cetaceen Europas. (Tract.) 8vo. *St. Petersburg*, 1872.

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——. Ueber bisher in Russland gefundene Reste von Zeuglodonten. (Tract.) 8vo. *St. Petersburg*, 1873.

——. See Geinitz (H. B.).

—— and **Helmersen** (G. von). Vorschlag zur Anstellung paläontologischer Nachgrabungen im südlichen Russland. (Tract.) 8vo. *St. Petersburg*, 1860.

Brard (C. Prosper). Traité des pierres précieuses, des Porphyres, Granits, Marbres, Albâtres, et autres roches propres à recevoir le poli, etc. 2 vols. 2 copies. 8vo. *Paris*, 1808.

——. Histoire des Coquilles terrestres et fluviatiles qui vivent aux environs de Paris. (Tract.) 8vo. *Paris*, 1815.

Braun (Alexander). The Phenomenon of Rejuvenescence in Nature, escially in the life and development of plants. Translated by A. Henfrey. (Ray Society.) 8vo. *London*, 1853.

Braun (Friedrich). Verzeichniss der in der Kreis-Naturalien-Sammlung zu Bayreuth befindlichen Petrefacten. 4to. *Leipzig*, 1840.

——. See Münster (Georg, *Graf* zu).

Brauns (D.). Der mittlere Jura im nordwestlichen Deutschland, von den Posidonienschiefern bis zu den Ornatenschichten, mit besonderer Berücksichtigung seiner Molluskenfauna. 8vo. *Cassel*, 1869.

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Bravais (Auguste). Sur les lignes d'ancien niveau de la mer dans le Finmark. (Tract.) 8vo. *Paris*, 1848.

——. See Elie de Beaumont (L.) and Quetelet (A.).

Bravard (Auguste). Monografia de los terrenos marinos terciarios de las cercanias del Parana. (Tract.) 8vo. *Parana*, 1858.

——. Catalogue des espèces d'animaux fossiles recueillies dans l'Amérique du Sud. (Tract, lith.) 4to. *Parana*, 1860.

Bray (Comte de). See Sternberg (Kaspar von).

Brayley (E. W.). On the probable Connection of Rock-Basins, in Form and Situation, with an internal Concretionary Structure in the rocks on which they occur, etc. (Tract.) 8vo. *London*, 1830.

——. The Utility of the Knowledge of Nature. 8vo. *London*, 1831.

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——. See Parkes (Samuel).

Brazil. See Exhibition of 1855.

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Brearey (Fred. W.). Paper read [before the] Aëronautical Society of Great Britain. (Tract.) 8vo. *London*, 1866.

Breda (Jacques Gisbert Samuel van). Bedenkingen omtrent hetgeen uit de, bij de putboring te zeist opgebragte gronden, aangaande den geologischen aard van den bodem Aldaar kan afgeleid worden. (Tract.) 8vo. *Leyden*, 1835.

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——. Voyages physiques et lithologiques dans la Campanie; suivis d'un mémoire sur la constitution physique de Rome. Traduits par le Général Pommereuil. 2 vols. 8vo. *Paris*, 1801.

——. Introduzione alla Geologia. 2 vols. 8vo. *Milan*, 1811.

Breislak (Scipione). Introduction à la Géologie. Traduit de l'italien par J. J. B. Bernard. 8vo. *Paris*, 1812.

——. Institutions Géologiques. Traduites du manuscrit italien par P. J. L. Campmas. 3 vols. 8vo. *Milan*, 1818.

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——. See N. . . . N.

——, **Barral** (P. de), and **Dolomieu** (Déodat de). Beiträge zur Mineralogie von Italien. 8vo. *Frankfort on M.*, 1789.

Breithaupt (August). Ueber die Aechtheit der Kristalle. (Tract.) 8vo. *Freiberg*, 1815.

Brent (George Smith). Notes on a Map of the World. Fasciculus I. On the Configuration of Continents. (Tract.) 8vo. *London*, 1850.

Brest to Paris. See PARIS TO BREST. Profil Géologique suivant le tracé du chemin de fer.

Breton (W. H.). Scandinavian Sketches, or a Tour in Norway. 8vo. *London*, 1835.

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——. See EDINBURGH ENCYCLOPÆDIA and HORNER (Leonard).

Briart (Alphonse) and **Cornet** (F. L.). Description minéralogique et stratigraphique de l'étage inférieur du terrain Crétacé du Hainaut, suivie de la description des végétaux fossiles de cet étage, par Eugène Coemans. (Tract.) 4to. *Brussels*, 1867.

—— ——. Description des fossiles du Calcaire grossier de Mons. 1re partie. Gastéropodes. Ordre I. Prosobranches. Section A. Siphonostomes. (Tract.) 4to. *Brussels*, 1870.

—— ——. Notice sur la position stratigraphique des lits coquilliers dans le terrain houiller du Hainaut. (Tract.) 8vo. *Brussels*, 1872.

—— ——. See also CORNET (F. L.).

—— —— and **Houzeau de Lehaie** (A.). Rapport sur les Découvertes Géologiques et Archéologiques faites à Spiennes en 1867. (Tract.) 8vo. *Mons*, 1868.

Bridgewater Treatises. See Babbage (Charles), Kirby (William), and Whewell (William).

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Brignoli di Brunnhoff (Giovanni de'). See De' Brignoli di Brunnhoff (G.).

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Bristol. Handbook to the Local Museum. 8vo. *Bristol*, 1875.

——. Museum and Library. Catalogue of Books. Edited by John Taylor. 8vo. *Bristol*, 1878.

Bristol and its Environs. Physical Geography and Geology. 8vo. *Bristol*, 1875.

Bristol and Taunton Canal. See Smith (William).

Bristow (Henry William). A Glossary of Mineralogy. 8vo. *London*, 1861.

——. The Geology of the Isle of Wight. List of fossils revised by R. Etheridge. Notes on the Eocene Flora of Alum Bay by Philippe De la Harpe and J. W. Salter. (Geological-Survey Memoirs). 2 copies. 8vo. *London*, 1862.

——. On the Lower Lias or Lias-Conglomerate of a part of Glamorganshire. (Tract.) 8vo. *London*, 1867.

——. See Figuier (Louis); Surveys—England and Wales, and Great Britain, Museum of Practical Geology; and King's College, London.

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——. Belfast Meeting, 1874. Excursion Notes. (Tract.) 8vo. *Belfast*, 1874.

——. Glasgow Guide Books. 3 vols. 8vo. *Glasgow*, 1876.

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British Association. Sheffield Guide Book.

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——. See Mersey Channels.

British-Museum Publications. *Amphibia.* Catalogue of the Specimens of the Amphibia in the Collection. Part II. Batrachia Gradientia, &c. 2 copies. 12mo. *London*, 1850.

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——. ——. List of British Birds. By G. R. Gray. 12mo. *London*, 1850.

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British-Museum Publications. *Crustacea.* List of the Specimens of Crustacea in the Collection. By A. White. 12mo. *London*, 1847.

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British-Museum Publications. *Hymenoptera.* Catalogue of British Ichneumonidæ in the Collection. By Thomas Desvignes. 12mo. *London*, 1856.

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Brittain (F.). See British Association. Sheffield Guide Book.

Broadhead (Garland C.). See Surveys: Missouri.

Broca (Paul). On the Phenomena of Hybridity in the genus Homo. Edited by C. Carter Blake. 8vo. *London*, 1864.

Brocchi (Giovanni Battista or Giambattista). Obituary Notice. See Catullo (T. A.).

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——. Note sur un nouveau genre d'Orthoptère fossile de la famille des Phasmiens provenant des terrains supra-houillers de Commentry (Allier) (*Protophasma Dumasii*). (Tract.) 8vo. *Paris*, 1878.

——. Sur la découverte d'un Orthoptère coureur de la famille des Phasmiens dans les terrains supra-houillers de Commentry (Allier) (*Protophasma Dumasii*). (Tract.) 8vo. *Brussels*, 1878.

Bronn (Heinrich Georg). Gæa Heidelbergensis, oder mineralogische Beschreibung der Gegend von Heidelberg. 8vo. *Heidelberg* and *Leipzig*, 1830.

——. Italiens Tertiär-Gebilde und deren organische Einschlüsse. (Tract.) 8vo. *Heidelberg*, 1831.

Bronn (Heinrich Georg). Lethæa Geognostica, oder Abbildungen und Beschreibungen der für die Gebirgs-Formationen bezeichnendsten Versteinerungen. 2 vols.
8vo; plates, 4to. *Stuttgart*, 1835–38.

——. ——. 3te Auflage. Bearbeitet von H. G. Bronn und F. Römer. 3 vols. 8vo; Atlas, 4to. *Stuttgart*, 1851–56.

——. Uebersicht und Abbildungen der bis jetzt bekannten *Nerinea*-Arten. (Tract.) 8vo. *Stuttgart*, 1836.

——. Handbuch einer Geschichte der Natur. 5 vols.
8vo. *Stuttgart*, 1841–49.

——. Paläontologische Collectaneen. (Tract.) 8vo. *Stuttgart*, 1843.

——. Index Palæontologicus, oder Uebersicht der bis jetzt bekannten fossilen Organismen, unter Mitwirkung der HH. H. R. Göppert und Herm. von Meyer. 3 vols. 8vo. *Stuttgart*, 1848–49.

——. Die Entwickelung der organischen Schöpfung. (Tract.)
8vo. *Stuttgart*, 1858.

——. Untersuchungen über die Entwickelungsgesetze der organischen Welt während der Bildungs-Zeit unserer Erd-Oberfläche.
8vo. *Stuttgart*, 1858.

——. Rede zum Geburts-Feste des höchstseligen Grossherzogs Karl Friedrich von Baden und zur akademischen Preisvertheilung am 22. November 1859. (Tract.) 4to. *Heidelberg*, 1859.

——. Essai d'une réponse à la question de prix proposée en 1850 par l'Académie des sciences pour le concours de 1853, et puis remise pour celui de 1856. Savoir: Etudier les lois de la distribution des corps organisés fossiles, etc. 4to. *Paris*, 1861.

——. See Hartung (George) and Leonhard (K. C. von).

—— and **Kaup** (J. J.). Abhandlungen über die gavialartigen Reptilien der Liasformation. Fol. *Stuttgart*, 1842.

——. ——. Charaktere des Genus *Mystriosaurus*. (Tract.)
8vo. *Stuttgart*, 1842.

Brooke (Henry James). A Familiar Introduction to Crystallography; including an Explanation of the principle and use of the Goniometer.
8vo. *London*, 1823.

——. A Description of the Principle and Method of using the Common and Reflective Goniometers. (Tract.) 8vo. *London*, 1823.

——. See Phillips (William).

Brookes (Joshua). An Address delivered at the Anniversary Meeting of the Zoological Club of the Linnean Society in 1828. (Tract.)
8vo. *London*, 1828.

Brooks (T. B.). On the youngest Huronian Rocks south of Lake Superior and the age of the Copper-bearing Strata. (Tract.)
8vo. *New Haven*, 1875.

——. Classified list of Rocks observed in the Huronian Series, south of Lake Superior, with remarks on their abundance, transitions, and geographical distribution; also, a tabular presentation of the Sequence of the Beds, with an Hypothesis of Equivalency. (Tract.)
8vo. *New Haven*, 1876.

Broome (Gordon). Report on the Canadian Phosphates considered with reference to their application to Agriculture. Part I. (Tract.)
8vo. *Montreal*, 1870.

Broster (John). Progress of the Brosterian System for the Effectual Removal of Impediments in Speech, etc. For the Fourth Year. 8vo. *London*, 1827.

Brough (Lionel). See REPORTS, PARLIAMENTARY. Mines.

Brougham (Lord). Address to the Members of the Manchester Mechanics' Institution, July 1835. (Tract.) 8vo. *Manchester*, 1835.

Brouillet (P. Amédée). Epoques anté-historiques du Poitou, ou recherches et études sur les Monuments de l'âge de Pierre . . . de cette contrée. (Tract.) 8vo. *Poitiers*, 1865.

Browallius (Johann). Historische und physikalische Untersuchung der vorgegebenen Verminderung des Wassers und Vergrösserung der Erde . . . Aus dem Schwedischen ubersetzt . . . von K. E. Klein. 8vo. *Stockholm*, 1756.

Browell (E. J. J.) and **Kirkby** (James W.). On the Chemical Composition of various beds of the Magnesian Limestone and associated Permian Rocks of Durham. (Tract.) 8vo. *Newcastle*, 1867.

Brown (Alexander B.). On the Geology of Gibraltar, with especial reference to the recently explored Caves and Bone-Breccia (Imperfect). (Tract.) 8vo. *London*, 1867.

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Brown (Andrew). See DICKESON (Montroville W.).

Brown (Charles Barrington). See SURVEYS: WEST INDIES.

Brown (John). A List of Fossils from a Deposit of Red Crag, in the Parish of Beaumont, Essex; collected in 1845 and 1846. (Tract.) 8vo. *Stanway*?, 1846.

Brown (Robert). Catalogue of the Scientific Portion (with a few miscellaneous Books) of *his* Library. (Tract.) 8vo. *London*, 1859.

——. Miscellaneous Botanical Works. Edited by John J. Bennett. (Ray Society.) 2 vols. 8vo; Atlas, 4to. *London*, 1866–68.

——. See BUCKLAND (William).

Brown (Robert). Florula Discoana: contributions to the Phyto-geography of Greenland, within the parallels of 68° and 70° north latitude. (Tract.) 8vo. *Edinburgh*, 1868.

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——. Geological Notes on the Noursoak Peninsula, Disco Island, and the country in the vicinity of Disco Bay, North Greenland. (Tract.) 8vo. *Glasgow*, 1875.

——. See VANCOUVER ISLAND.

Brown (Robert E.). The Book of the Landed Estate, containing directions for the management and development of the resources of landed property. 8vo. *Edinburgh* and *London*, 1869.

Brown (Samuel). Two Processes for Silicon. (Tract.) 8vo. *Edinburgh*, 1863.

Brown (Thomas). The Elements of Fossil Conchology, according to the arrangement of Lamarck, with the newly established genera of other authors. 8vo. *London*, 1843.

Brown (Thomas C.). Teeth and Vertebræ of Extinct Sharks [fossils obtained in Malta—two photographs]. (Tract.) 8vo. *Cirencester*, 1878.

Browne (A. J. Jukes-). On some Flint Implements from Egypt. (Tract.) 8vo. *London*, 1878.

——. Post-Tertiary Deposits of Cambridgeshire, being the Sedgwick Prize Essay for 1876. 8vo. *Cambridge* and *London*, 1878.

——. See Penning (W. Henry).

Browne (C. A.). See Jukes (Joseph Beete).

Browne (Peter A.). An Essay on Solid Meteors, and Aërolites or Meteoric Stones. (Tract.) 8vo. *Philadelphia*, 1844.

Browne (R. G. Mackley). Astronomical Geology: a treatise respecting the causes to which the structural and superficial configuration of the earth's crust is attributable. 8vo. *London*, 1865.

——. Cause and Effect; or the Globe we inhabit. 8vo. *London*, 1868.

Bruckner (Em. Daniel). Versuch einer Beschreibung historischer und natürlicher Merkwürdigkeiten der Landschaft Basel. 23. Stück. 8vo. *Basle*, 1748–63.

Brugman (Sebald Justin). Lithologia Groningana, juxta ordinem Wallerii digesta, cum synonimis aliorum, imprimis Linnæi et Cronstedii, etc. 8vo. *Gröningen*, 1781.

Bruguière (Jean Guillaume). Tableau encyclopédique et méthodique des trois règnes de la Nature. 4 vols. 4to. *Paris*, 1791.

——. See Encyclopédie Méthodique.

Brumby (R. T.). A brief account of the Analysis of the Blount, Shelby, and Talladega Springs, etc. (Tract.). 8vo. *Alabama*, 1838.

Brun (— Malté). See Malté-Brun.

Brunner (C.). Fortgesetzte Versuche über Eudiometrie. (Tract.) 8vo. *Leipzig*, 1834.

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Brunnhoff (Giovanni de' Brignoli di). See De' Brignoli di Brunnhoff (Giovanni).

Bruno (Giovanni Domenico). Illustrazione di un nuovo Cetaceo fossile. (Tract.) 4to. *Turin*, 1839.

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Brush (George Jarvis). See Dana (James Dwight).

—— and **Dana** (Edward S.). On the Mineral Locality in Fairfield County, Connecticut, with a description of two additional new species. 1st and 2nd papers. (Tracts.) 8vo. *New Haven*, 1878–79.

Brusina (Spiridion). Contribuzione pella fauna dei Molluschi dalmati. [Beilage von der k. k. zool.-botan. Gesellschaft in Wien]. 8vo. *Vienna*, 1866.

——. Fossile Binnen-Mollusken aus Dalmatien, Kroatien und Slavonien. 8vo. *Agram*, 1874.

Brussels. Observatoire Royal. Annales Météorologiques, publiées aux frais de l'état par . . . A. Quetelet, 2e et 3e Années, 1867 et 1868. (Tracts.) 4to. *Brussels*, 1868–69.

Bruun-Neergaard (T. C.). Journal du dernier voyage du citoyen Dolomieu dans les Alpes. 8vo. *Paris*, 1802.

——. De la Haüyne, nouvelle substance minérale. (Tract.) 8vo. *Paris*, 1807.

——. Mémoire sur les ossemens et coquilles fossiles des environs de Plaisance. (Tract.) 8vo. *Paris*, 1813.

—— ——. Extrait. (Tract.) 8vo. *Paris*, 1813.

Bryce (James). Geological Notices of the Environs of Belfast, the East Coast of Antrim, and the Giant's Causeway. (Tract.) 8vo. *Dublin*, 1852.

——. Cyclopædia of Geography, descriptive and physical, forming a New General Gazetteer of the World. 8vo. *London* and *Glasgow*, 1856.

——. The Jurassic Rocks of Skye and Raasay, with report on the fossils and description of new species, by Ralph Tate. (Tract.) 8vo. *London*, 1873.

Brylinski (M.) and **Lionnet** (G.). Phosphates de Chaux fossiles. Géologie et origine, applications en Agriculture. 8vo. *Havre*, 1877.

Buch (Leopold von). Geognostische Beobachtungen auf Reisen durch Deutschland und Italien. 2 vols. 8vo. *Berlin*, 1802.

——. Extracts from Von Buch's Travels in Silesia, &c., relating to the Salt mines of Haldstadt, translated by Mr. Solly. (Tract.) Fol. Manuscript, no date.

——. Essai d'une description minéralogique des environs de Landeck. (Tract.) 8vo. *Paris*, 1805.

——. A Mineralogical Description of the Environs of Landeck, in the County of Glatz, translated from the French, with notes by Charles Anderson. 8vo. *Edinburgh* and *London*, 1810.

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——. Recueil de planches de Pétrifications remarquables. 4to. *Berlin*, 1831.

Buch (Leopold von). Ueber Ammoniten, über ihre Sonderung in Familien, über die Arten, welche in den älteren Gebirgsschichten vorkommen, und über Goniatiten insbesondere. (Tract.) 4to. *Berlin*, 1832.

——. [Three plates of Ammonites (fol.), with Explanations.] 4to. *Berlin*, 1833.

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——. Sur les Spirifer et les Orthis. Explication de deux planches qui représentent la structure de ces coquilles. Fol. *Berlin*, 1838.

——. Pétrifications recueillies en Amérique par M. Alexandre de Humboldt et par M. Charles Degenhardt. Fol. *Berlin*, 1839.

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——. Die Bären-Inseln nach B. M. Keilhau geognostisch beschrieben. (Tract.) 4to. *Berlin*, 1847.

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——. Ueber die Juraformation auf der Erdfläche. (Tract.) 8vo. *Berlin*, 1853.

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—— and **Pfaundler** (A. von). Ueber den Dolomit in Tyrol. (Tract.) 8vo. *Innsbrück*, 1842.

Buchan (John H.). Report on The Real del Monte Mining Company, Mexico. (Tract.) 8vo. *York*?, 1855.

Buchanan (J. Y.). See Challenger Expedition.

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——. Ueber die Beziehungen der Chemie zur Rechtspflege. (Tract.) 4to. *Munich*, 1875.

Büchner (Ludwig Andreas, 2). Man in the Past, Present, and Future. Translated by W. S. Dallas. 8vo. *London*, 1872.

Bucke (Charles). A Letter intended (one day) as a supplement to Lockhart's Life of Sir Walter Scott. (Tract.)
Privately printed, 1838.

Buckingham (James Silk). Extract of a Letter from Persia. (Tract.)
Fol. *Manuscript*, 1816.

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——. ——. A new edition, with additions by Prof. Owen, Prof. Phillips, Robert Brown, &c. Edited by Francis T. Buckland. [Bridgewater Treatise.] 8vo. *London*, 1858.

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——. Catalogue [sale] of *his* valuable Scientific Library. (Tract.) 2 copies. 8vo. *London*, 1857.

Buckman (James). On the Structure and Arrangement of the Tesseræ in a Roman pavement discovered at Cirencester in August 1849. (Tract.) 8vo. *London*, 1850.

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——. See Davidson (Thomas), Murchison (Sir Roderick Impey), and Serials, etc.: Sherborne. Dorset Natural-History and Antiquarian Field Club.

—— and **Newmarch** (C. H.). Illustrations of the remains of Roman Art in Cirencester, the site of ancient Corinium. 4to. *London* and *Cirencester*, 1851.

Buckton (George Bowdler). Monograph of the British Aphides. Vols. I. and II. (Ray Society.) 8vo. *London*, 1876–79.

Bucquet (J. B. M.). Introduction à l'étude des corps naturels tirés du règne minéral. 2 vols. 8vo. *Paris*, 1771.

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Buller (Walter L.). Essay on the Ornithology of New Zealand. (Tract.) 8vo. *Dunedin*, 1865.

——. Anniversary Address . . . Wellington Philosophical Society, 1875. (Tract.) 8vo. *Wellington, N. Z.*, 1875.

Bullock (W.). Sketch of a Journey through the Western States of North America: from New Orleans to New York, in 1827. With a description of the new and flourishing city of Cincinnati, by B. Drake and E. D. Mansfield. 8vo. *London*, 1827.

Bunbury (*Sir* Charles J. F.). Journal of a Residence at the Cape of Good Hope. 8vo. *London*, 1848.

——. See Ribeiro (Carlos).

Bunsen (R. W.). Ueber ein neues Vorkommen des Allophans in der Formation des plastischen Thons. (Tract.) 8vo. *Leipzig*, 1834.

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Burat (Amédée). Description des terrains volcaniques de la France centrale. 8vo. *Paris*, 1833.

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——. Géologie appliquée. Traité du gisement et l'exploitation des minéraux utiles. 4th edition. 2 vols. 8vo. *Paris*, 1858–59.

——. Les Houillères en 1867, 1868, 1869, 1872: 8vo. Atlas 1867, 1868, 1869: 4to. *Paris*, 1868–72.

——. Géologie de la France. 2 copies. 8vo. *Paris* and *Liège*, 1874.

——. Voyages sur les côtes de France. 8vo. *Paris*, 1880.

——. See **Aubuisson de Voisins** (J. F. d').

Burckhardt (Fritz). Ueber die physikalischen Arbeiten der Societas physica helvetica 1751–1787. Festrede gehalten bei der Feier des fünfzigjährigen Bestehens der naturforschenden Gesellschaft in Basel, 1867. (Tract.) 8vo. *Basle*, 1867.

——. Notice sur les carrières de Saillon (Suisse). (Tract, lith.) 8vo. 1877.

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Bürkli (Arnold). See Escher von der Linth (Arnold).

Burmeister (Hermann). Die Organisation der Trilobiten, aus ihren lebenden Verwandten entwickelt, etc. 4to. *Berlin*, 1843.

Burmeister (Hermann). The Organization of Trilobites, deduced from their living affinities. Edited by Professors Bell and E. Forbes. (Ray Society.) 4to. *London*, 1846.

——. Die Labyrinthodonten aus dem bunten Sandstein von Bernburg. 2 vols. 4to. *Berlin*, 1849.

——. Die fossilen Pferde der Pampasformation.—Los caballos fosiles de la Pampa Argentina. (Tract.) Fol. *Buenos Ayres*, 1875.

——. See Alton (E. d'.); Serials, etc., Buenos Ayres (Museo público: Anales); and Wagner (Andreas).

—— and **Giebel** (C.). Die Versteinerungen von Juntas im Thal des Rio de Copiapó, etc. (Tract.) 2 copies. 4to. *Halle*, 1861.

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——. On the Mexican Process of Amalgamation. (Tract.) 8vo. *London*, 1836.

——. On the Occurrence of the precious Metals in Great Britain. (Tract.) 8vo. *London*, 1836.

——. The Elements of Practical Geology. 2nd edition. 8vo. *London*, 1838.

Burr (G. D.). Short Essay of Sketching Ground without Instruments. (Tract.) 8vo. *London*, 1830.

Burr (Thomas). Remarks on the Geology and Mineralogy of South Australia. (Tract.) 8vo. *Adelaide*, 1846.

Burrow (E. I.), Elements of Conchology. 8vo. *London*, 1815.

Burtin (François-Xavier). Oryctographie de Bruxelles, ou description des fossiles, etc. Fol. *Brussels*, 1784.

Busk (George). A Monograph of the fossil Polyzoa of the Crag. (Palæontographical Society.) 4to. *London*, 1859.

——. See British Museum; Cohn (Ferdinand); Grisebach (—.); Prestwich (Joseph); Serials etc., Ray Society; Steenstrup (Joh. Japetus Sm.), Wagner (A.), and Zuccarini (—.).

Busk (*Miss* R. H.). Valleys of Tyrol, their traditions and customs, and how to visit them. 8vo. *London*. 1874.

Buteux (Ch. J.). Esquisse géologique du département de la Somme. Nouvelle édition. (Tract.) 8vo. *Paris*, 1849.

Buteux (Ch. J.). Notions générales sur la géologie du département de la Somme. (Tract.) 8vo. *Abbeville*, 1857.

Büttner (R.). See Günther (W.).

Buvignier (Amand). Note sur un genre nouveau de mollusque acéphale fossile. (Tract.) 8vo. *Paris*, 1851.

——. Géologie du département de la Meuse. 8vo ; Atlas, fol. *Paris*, 1852.

——. See Sauvage (C.).

Bylandt Palstercamp (A. de). Résumé préliminaire de l'ouvrage sur la Théorie des volcans. (Tract.) 8vo. *Naples*, 1833.

——. Théorie des volcans. 3 vols. 8vo. *Paris*, 1835.

C.

Cabot (J. Elliot). See Agassiz (Louis).

Cacarrié (—). Description géologique du département de Maine-et-Loire. 8vo. *Angers*, 1845.

Cacciatore (Nicolaus). De rediguendis ad unicam seriem comparabilem meteorologicis ubique factis observationibus conventio proposita et tabulæ supputatæ. (Tract.) 4to. *Palermo*, 1832.

Cadell (W. A.). A Journey in Carniola, Italy, and France in the years 1817, 1818. 2 vols. 8vo. *Edinburgh*, 1820.

Cadet (Socrate). Nuove considerazioni intorno le meteore esogene, cioè le stelle cadenti e gli uranoliti. (Tract.) 4to. *Rome*, 1863.

Cæsalpinus (Andreas). De Metallicis libri tres. 4to. *Nuremberg*, 1602.

Caillaux (Alfred). Tableau général et description des mines métalliques et des combustibles minéraux de la France. 8vo. *Paris*, 1875.

Cailliaud (Frédéric). Carte géologique du département de la Loire-Inférieure. (Tract.) 8vo. *Nantes*, 1861.

——. Sur l'existence de la faune troisième Silurienne dans le département de la Loire-Inférieure. (Tract.) 8vo. *Nantes*, 1861.

Calandrelli (Giuseppe). See Rome. Gabinetto Mineralogico del Collegio Nazareno.

Calcara (Pietro). Memoria sopra alcune conchiglie fossili rinvenute nella contrada d'Altavilla. (Tract.) 8vo. *Palermo*, 1841.

Calceolarius (Franciscus). Iter in Baldum montem. 3rd edition. (Tract.) 8vo. *Verona*, 1745.

Caldcleugh (Alexander). Travels in South America during the years 1819–20–21 ; containing an account of the present state of Brazil, Buenos Ayres, and Chili. 2 vols. 8vo. *London*, 1825.

——. An account of the Great Earthquake experienced in Chile, 1835. (Tract.) 4to. *London*, 1836.

——. Some account of the Volcanic Eruption of Coseguina, in the Bay of Fonseca, on the western Coast of Central America. (Tract.) 4to. *London*, 1836.

Calderini (Isidoro). La nuova illuminazione in Milano col metodo per preparare il gas e per servirsene esposto all' intelligenza di tutti. (Tract.) 8vo. *Milan*, 1844.

Calderon y Arana (Salvador). Reseña geológica de la provincia de Guadalajara. (Tract.) 2 copies. 8vo. *Madrid*, 1874.

Calderon y Arana (Salvador). Estudios Geológicos de España. Part I. (Tract.) 2 copies. 8vo. *Madrid*, 1875.

——. Reseña de las rocas de la Isla Volcánica Gran Canaria. (Tract.) 8vo. *Madrid*, 1876.

——. Enumeracion de los Vertebrados fósiles de España. (Tract.) 8vo. *Madrid*, 1877.

——. Contribuciones al Estudio de la Fosforita de Belmez. (Tract.) 8vo. *Madrid*, 1878.

——. Ofita de Trasmiera (Santander). (Tract.) 8vo. *Madrid*, 1878.

Caldor (James). General Observations on the Geology of India. (Tract.) 8vo. *London*, 1839.

Caley (George). A Catalogue [sale] of his valuable collection of Dried Plants, specimens of Ornithology, etc. (Tract.) 8vo. *London*, 1829.

California. Information in relation to the Geology and Topography of California; containing reports by P. F. Smith, B. Riley, P. T. Tyson, etc. (Tract.) 8vo. *Washington*, 1850.

——. See Fremont (J. C.) and Emory (W. H.).

Callard (Thomas Karr). The Geological Evidences of the Antiquity of Man reconsidered. (Tract.) 8vo. *London*, 1875.

Callcott or Graham (Maria). Letter to the President and Members of the Geological Society, in answer to certain observations contained in Mr. Greenough's Anniversary Address of 1834, with Appendices. (Tract.) 8vo. *London*, 1834.

Callon (J.). Lectures on Mining delivered at the School of Mines, Paris. Translated by C. Le Neve Foster and W. Galloway. Vol. i. 8vo, Atlas 4to. *London* and *Paris*, 1876.

Calvert (Frank). Contributions to the Ancient Geography of the Troad. (Tract.) 8vo. *London*, 1861.

——. On a Bronze Weight found on the Site of the Hellespontic Abydos. (Tract.) 8vo. *London*, 1861.

Calvert (John). The Gold Rocks of Great Britain and Ireland. 8vo. *London*, 1853.

——. Vazeeri Rupi, the Silver Country of the Vazeers in Kulu. 8vo. *London* and *New York*, 1873.

Cambridge University. Catalogue of the Cambrian and Silurian Fossils in the Geological Museum. See Salter (J. W.).

——. Speeches delivered by the public Orator (Mr. Sandys) in the Senate-house of Cambridge, June 10th, 1879. [In presenting to the University the several distinguished persons on whom the Honorary degree of LL.D. was conferred, viz.:—Sir F. Leighton, R. Browning, W. Stubbs, W. Spottiswoode, H. J. S. Smith, T. H. Huxley, H. C. Sorby, E. A. Bond, and C. T. Newton.] (Tract.) 4to. *Cambridge*, 1879.

Cameron (Peter). See British Association. Glasgow Guide Books.

Campani (G.) and **Toscani** (C.). Sui terremoti avvenuti in Siena nell' Aprile del 1859 e nei tempi precedenti. (Tract.) 8vo. *Pisa*, 1859.

Campbell (D. Forbes). See Chevalier (Michel).

Campbell (Dugald). See Hogg (Jabez), Homersham (Samuel Collett), and Water Supply.

Campbell (John Francis). Frost and Fire. 2 vols. 8vo. *Edinburgh*, 1865.

Campbell (John Francis). My Circular Notes, written while travelling westwards round the World. 2 vols. 8vo. *London*, 1876.

——. On Himalayan Glaciation. With a note by H. B. Medlicott. (Tract.) 8vo. *Calcutta*, 1877.

——. The Parallel Roads of Lochaber. (Tract.) 8vo. *Not published*, 1877.

Campbell (Lyman W.). See Hill (Samuel W.).

Campo (Donato). Incendio trentesimo del Vesuvio accaduto gli 8 Agosto 1779. (Tract.) 4to. *Naples*, 1779.

Canada. Mémoires sur le Canada, dépuis 1749 jusqu'à 1760. 8vo. *Quebec*, 1838.

——. On the Fossil Organic Remains found in the Rocks of Canada. (Tract.) 8vo. *Quebec*, 1829.

Canadian Pacific Railway. Sandford Fleming, Engineer in Chief. Reports and Documents in reference to the Location of the Line and a Western Terminal Harbour, 1878. (Tract.) 8vo. *Ottawa*, 1878.

Cancrin (Franz Ludwig von). Beschreibung der vorzüglichsten Bergwerke, etc. 4to. *Frankfort*, 1767.

——. Geschichte und systematische Beschreibung der in der Grafschaft Hanau-Münzenberg, in dem Amte Bieber und andern Aemtern dieser Grafschaft,.... gelegenen Bergwerke. 8vo. *Leipzig*, 1787.

Candolle (Alphonse de). Géographie Botanique raisonnée, ou exposition des faits principaux et des lois concernant la Distribution Géographique des plantes de l'époque actuelle. 2 vols. 8vo. *Paris*, 1855.

——. Constitution dans le Règne végétal de groupes physiologiques applicables à la géographie botanique ancienne et moderne. (Tract.) 8vo. *Geneva*, 1874.

——. Existe-t-il dans la végétation actuelle des caractères généraux et distinctifs qui permettraient de la reconnaître en tous pays si elle devenait fossile? (Tract.) 8vo. *Geneva*, 1875.

——. Sur les causes de l'inégale distribution des plantes rares dans la Chaîne des Alpes. (Tract.) 8vo. *Florence*, 1875.

Candolle (Augustin Pyramus de). Biographical Notice. See Daubeny (Charles).

——. Notice sur M. J. F. de Chaillet. (Tract.) 4to. *Paris*, 1840?

Cangiano (Luigi). Sul pozzo che si sta forando nel giardino della Reggia di Napoli, e di talune induzioni geologiche di cui e stato occasione. (Tract.) 8vo. *Naples*, 1845.

Canobbio (G. B.). Saggio sulla giacitura d'alcuni fossili di Genova e suoi contorni. 4to. *Genoa*, 1823.

Canterbury Water Supply. See Homersham (Samuel Collett) and Water Supply (Canterbury).

Cantoni (—). See Omboni (G.).

Cantor (Theodore). General Features of Chusan, with remarks on the Flora and Fauna of that Island. (Tract.) 8vo. *London*, 1842.

Capanema (G. S.). Apontamentos Geologicos. (Do Correr da Penna.) (Tract.) 8vo. *Rio de Janeiro*, 1868.

Cape of Good Hope. Instructions for making and registering Meteorological Observations at various stations in Southern Africa and other countries in the South Seas, as also at sea. (Tract.) 8vo. *Cape Town*, no date.

Capellini (Giovanni). Cenni geologici sul giacimento delle Ligniti della bassa Val di Magra. (Tract.) 4to. *Turin*, 1860.
——. Le schegge di diaspro dei monti della Spezia. (Tract.) 8vo. *Bologna*, 1862.
——. Studi stratigrafici e paleontologici sull' infralias nelle montagne del Golfo della Spezia. (Tract.) 4to. *Bologna*, 1862.
——. Delfini fossili del Bolognese. (Tract.) 4to. *Bologna*, 1864.
——. Descrizione geologica dei dintorni del Golfo della Spezia, e Val di Magra inferiore, destinata alla illustrazione della Carta pubblicata nel 1863. 8vo. *Bologna*, 1864.
——. Balenottere fossili del Bolognese. (Tract.). 4to. *Bologna*, 1865.
——. Fossili infraliassici dei dintorni del Golfo della Spezia. (Tract.) 4to. *Bologna*, 1866.
——. Giacimenti petroleiferi di Valacchia e loro rapporti coi terreni terziari dell' Italia centrale. (Tract.) 4to. *Bologna*, 1868.
——. Ariano e dintorni ; cenni Geologici sulle valli dell' Ufita, del Calore e del Cervaro. (Tract.) 4to. *Bologna*, 1869.
——. Armi e utensili di pietra del Bolognese. (Tract.) 4to. *Bologna*, 1870.
——. Congresso Internazionale di Archeologia preistorica. IV. Sessione a Copenhagen nel 1869. (Presidential Address.) (Tract.) 8vo. *Bologna*, 1870.
——. Di Nicola Stenone e dei suoi studii geologici in Italia. 2nd edition. (Tract.) 8vo. *Bologna*, 1870.
——. L'età della pietra nella Valle della Vibrata. (Tract.) 4to. *Bologna*, 1871.
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——. L'uomo pliocenico in Toscana. (Tract.) 4to. *Rome*, 1875–76.
——. Sui terreni Terziari di una parte del versante settentrionale dell' Apennino. (Tract.) 4to. *Bologna*, 1876.
——. Sulle Balene fossili Toscane. (Tract.) 4to. *Rome*, 1876.
——. Balenottere fossili e *Pachyacanthus* dell' Italia meridionale. (Tract.) 4to. *Rome*, 1877.
——. Marne Glauconifere di dintorni di Bologna. (Tract.) 8vo. *Bologna*, 1877.
——. Sulla proposta di un Congresso Internazionale geologico in Italia. (Tract.) 8vo. *Bologna*, 1877.
——. Della pietra Leccese e di alcuni suoi fossili. (Tract.) 4to. *Bologna*, 1878.
——. Il Calcare di Leitha, il Sarmatiano, e gli strati a Congerie nei monti di Livorno, di Castellina marittima, di Mierno e di Monte Catini. (Tract.) 4to. *Rome*, 1878.

Capellini (Giovanni). Inclusioni di Apatite nella roccia di Monte Cavaloro. (Tract.) 8vo. *Bologna*, 1878.

——. Sulla Prehnite dei monti Livornesi e sui minerali che l'accompagnano. (Tract.) 8vo. *Bologna*, 1878.

——. Balenottera fossile delle Colombaie presso Volterra. (Tract.) 4to. *Rome*, 1879.

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——. Gli strati a Congerie e le marne compatte Mioceniche dei dintorni di Ancona. (Tract.) 2 copies. 4to. *Rome*, 1879.

——. See Jeffreys (John Gwyn) and Omboni (G.).

—— and **Heer** (O.). Les Phyllites crétacées du Nebraska. (Tract.) 4to. *Zurich*, 1866.

Capello (Felix de Brito). See Barboza du Bocage (José Vicente).

Capocci (Ernesto). Nuove richerche sul noto fenomeno delle colonne perforati dai foladi nel tempio di Serapide. (Tract.) 8vo.

Caporale (Gaetano). Dell'agro Acerrano e della sua condizione sanitaria. 8vo. *Naples*, 1859.

Cappeller (Moritz Anton). Prodromus Crystallographiæ, de crystallis improprie sic dictis commentarium. 4to. *Lucerne*, 1723.

Capper (Benjamin Pitts). Topographical Dictionary of the United Kingdom. 8vo. *London*, 1808.

Capper (Richard). Observations on the Crust of the Earth, and the Formation of Gold-bearing Rocks, etc. (Tract.) 8vo. *Melbourne*, 1868.

Capron (Horace). Reports and Official Letters to the Kaitakushi (Japan). 8vo. *Tokio*, 1875.

Cardelli (—). Manuel du limonadier et du confiseur. 5th edition. 12mo. *Paris*, 1830.

Carlisle (*Sir* Anthony). The Hunterian Oration [On the Oyster] delivered before the Royal College of Surgeons, 1826. (Tract.) 4to. *London*, 1826.

Carlisle (Nicholas). A Topographical Dictionary of England. 2 vols. 4to. *London*, 1808.

——. —— Ireland. 1 vol. 4to. *London*, 1808.

——. —— Scotland. 2 vols. 4to. *London*, 1808.

——. —— Wales. 1 vol. 4to. *London*, 1808.

Carnac (H. Rivett-). On masons' marks from old buildings in the North-West Provinces of India. (Tract.) 8vo. *Bombay*, 1878.

Carosi (Johann Philipp von). Beyträge zur Naturgeschichte der Niederlausitz, insbesondere aber des Mineralreichs derselben. (Tract.) 8vo. *Leipzig*, 1779.

——. Ueber die Erzeugung des Kiesels und des Quarzes zum Teil beobachtet in Polen. (Tract.) 8vo. *Leipzig*, 1783.

Carpenter (Philip P.). Catalogue of Mazatlan Mollusca (Reigen Collection), presented to the State Cabinet (New York) by Philip P. Carpenter. (Tract.) 8vo.

——. See British Museum.

Carpenter (William Benjamin). Report on the Microscopic Structure of Shells. (Tract.) 8vo. *London*, 1848.

——. Principles of Physiology, general and comparative. 3rd edition. 8vo. *London*, 1851.

Carpenter (William Benjamin). Shell. [From the Cyclopædia of Anatomy, etc.] (Tract.) 8vo.

——. Researches on the Foraminifera. 4to. *London*, 1861.

——. On the Structure, Affinities, and Geological position of *Eozoon canadense*. (Tract.) 2 copies. 8vo. *London*, 1865.

——. On the Shell-structure of *Spirifer cuspidatus*, and of certain allied Spiriferidæ. (Tract.) 8vo. *London*, 1867.

——. Preliminary Report of Dredging Operations in the seas to the North of the British Isles, carried on in Her Majesty's steam-vessel 'Lightning,' by Dr. Carpenter and Dr. Wyville Thomson. (Tract.) 8vo. *London*, 1868.

——. On the Temperature and Animal Life of the Deep Sea. (Tract.) 8vo. *London*, 1870.

——. On the Temperature and other Physical conditions of Inland Seas, in their relation to Geological inquiry. (Tract.) 8vo. *London*, 1872.

——. Report on scientific researches carried on during the months of August, September, and October, 1871, in H.M. surveying-ship 'Shearwater.' (Tract.) 8vo. *London*, 1872.

——. Further inquiries on Oceanic Circulation. 8vo. *London*, 1874.

——. Bemerkungen zu Dr. Otto Hahns microgeologischer Untersuchung des *Eozoon canadense*. (Tract.) 8vo. *Stuttgart* ?, 1876.

——. Land and Sea considered in relation to Geological Time. (Tract.) 8vo. *London*, 1880.

——. See 'Porcupine' and 'Valorous' Expeditions.

—— and **Jeffreys** (J. Gwyn). Report on Deep-sea Researches carried on during the months of July, August, and September, 1879, in H.M. surveying-ship 'Porcupine.' (Tract.) 8vo. *London*, 1870.

——, **Parker** (W. Kitchen), and **Jones** (Thomas Rupert). Introduction to the Study of the Foraminifera. (Ray Society.) 4to. *London*, 1862.

Carpenter (W. L.). Reports on his Zoological Collections made in Colorado during the summer of 1873. (Tract.) 8vo. *Washington*, 1875.

Carr (E. S.). An Inaugural Address delivered in the Senate Chamber of the Capitol at Madison (Wis.), before the Board of Regents of the State University, January, 1856. (Tract.) 8vo. *Madison*, 1856.

Carret (Jules). Déplacement polaire : preuves des variations de l'axe terrestre. 8vo. *Paris* and *Chambéry*, 1877.

Carrington (F. A.). The New Zealand Company. Letter on New Zealand, showing the nature of the land purchases of the Company, etc. (Tract.) 8vo. *London*, 1845.

Carter (Henry J.). A descriptive Account of the Freshwater Sponges in the Island of Bombay, with Observations on their Structure and Development. (Tract.) 8vo. *Bombay*, 1849.

——. On Foraminifera, their organization and their existence in a fossilized state in Arabia, Sindh, Kutch, and Khattyawar. (Tract.) 8vo. *Bombay*, 1849.

——. Geological observations on the Igneous Rocks of Maskat and its neighbourhood, and on the Limestone formation at their circumference. (Tract.) 8vo. *Bombay*, 1850.

Carter (Henry J.). A geographical description of certain parts of the South-east Coast of Arabia, etc. (Tract.) 8vo. *Bombay*, 1851[1]

——. Memoir on the Geology of the South-east Coast of Arabia. (Tract.) 8vo. *Bombay*, 1851.

——. Geology of the Island of Bombay. (Tract.) 8vo. *Bombay*, 1852.

——. Summary of the Geology of India, between the Ganges, the Indus, and Cape Comorin. (Tract.) 8vo. *Bombay*, 1854.

——. Geological papers on Western India, including Cutch, Scinde, and the South-east Coast of Arabia. Edited for the Government of India. 2 copies. 4to; Atlas, fol. *Bombay*, 1857.

——. Extract from a compilation entitled Geological Papers on Western India, edited for the Government of Bombay. 4to. *Bombay*, 1857?

——. Report on geological specimens from the Persian Gulf, collected by Lieutenant C. G. Constable. (Tract.) 8vo. *Calcutta*, 1860.

——. Further observations on the structure of Foraminifera, and on the larger fossilized forms of Scinde, &c. (Tract.) 8vo. *London*, 1861.

——. On contributions to the Geology of Western India, including Sind and Beloochistan. (Tract.) 8vo. *Bombay*, 1862.

——. On Fossil Sponge-spicules of the Greensand compared with those of existing species. (Tract.) 8vo. *London*, 1871.

Cartheuser (Friedrich August). Mineralogische Abhandlungen. 8vo. *Giessen*, 1771.

Caruana (A. A.). Enumeratio ordinata Molluscorum Gaulo-Miletensium of the late Mr. Giuseppe Mamo. (Tract.) 8vo. *Malta*, 1867.

Carus (C. G.). Das Kopfskelet des *Zeuglodon hydrarchos*, zum Erstenmale nach einem vollständigen Exemplare beschrieben und abgebildet. (Tract.) 4to. *Dresden*, 1849.

Carus (J. Victor) and **Engelmann** (Wilhelm). Bibliotheca Zoologica. The Literature of Zoology, which has appeared in periodicals, transactions, etc., and of the books published from 1846 to 1860. 2 vols. 8vo. *Leipzig* and *London*, 1861.

Carvalho (José Pinto Rebello de). See Rebello de Carvalho (José Pinto).

Case (Theo. S.). See Serials, etc.: Kansas.

Cassell's Natural History. Edited by P. Martin Duncan. Vols. I. *etc.* 4to. *London*, 1877 *etc.*

Cassola (F.) and **Pilla** (L.). Lo Spettatore del Vesuvio e de' Campi Flegrei. Fasc. I. Nos. 1–3 (in duplicate). Fasc. II. 1–3. (Tracts.) 8vo. *Naples*, 1832–33.

Castel (—). Rapport sur une explosion d'hydrogène carboné dans les travaux d'une mine de fer. (Tract.) 8vo. *Paris*, 1854.

Castelnau (F. de.). Essai sur le Système Silurien de l'Amérique Septentrionale. (Tract.) 4to. *Paris*, 1843.

——. See Brongniart (Alexandre) etc., and Elie de Beaumont (L.).

Catalogue of Botanical, Conchological, Entomological and Mineralogical works published by G. D. C. and G. J. P. (Tract.) 8vo. *Florence*?, 1832.

Catalogues of Books from ARTHUR (Thomas), ASHER and Co., BACHELIER (Mallet), BOSSANGE (Gustave), CALVARY (S.), DAVIES (G. A.), DUCLOS (P. L), DULAU and Co., FRIEDLÄNDER (R.), HIGHLEY (S.), HUSK (Charles F.), KIRCHHOFF and WIGAND, KÖHLER (K. F.), MOSER (Albert), MULOT (J. B.), PALMER (Shirley), PRICE (Edward), REINWALD (Charles), RITTER (Carl), ROWSELL (Joel), SACKETT (Walter J.), SAVY (F.), SCHMIDT (H. W.), SMITH (W. J.), WEIGEL (T. O.), WHELDON (John), WILLIAMS and NORGATE.

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Catalogues of Libraries. See LIBRARIES.

Catalogues of Minerals, Fossils, etc. Catalogue raisonné [à vente] d'une collection choisie de Minéraux, Cristallisations, Madrépores, Coquilles et autres Curiosités de la Nature et de l'Art. 8vo. *Paris*, 1769.

——. ——. 8vo. *Paris*, 1772.

——. ——. 8vo. *Paris*, 1780.

——. ——. 8vo. *Paris*, 1780.

——. ——. 8vo. *Paris*, 1783.

——. Catalogue [sale] of a small Collection of Organic Fossils, etc. etc. [Stephens.] (Tract.) 8vo. *London*, 1840.

——. See BOWLES (William), DRÉE (Marquis de), HARRINGTON (H.), HARRINGTON MUSEUM, HASTINGS (Marchioness of), HEULAND (H.), LEE (William), NUTTALL (Dr.), PHILLIPS (William), STUTCHBURY (Samuel), TANKERVILLE (Charles Augustus Bennet, Earl of), TAYLOR (Henry) and TONDI (Matteo).

Catalogues of Museums. See BRITISH MUSEUM and MUSEUMS.

Catcott (Alexander). A treatise on the Deluge. 8vo. *London*, 1761.

——. ——. 2nd edition. 8vo. *London*, 1768.

Catcott (George Symes). A descriptive account of a descent made into Penpark-Hole, in the parish of Westbury-upon-Trim, in the county of Gloucester, in the year 1775; also the narratives of Captains Sturmey and Collins, containing their descriptions of the same, in the years 1669 and 1682. (Tract.) 8vo. *Bristol*, 1792.

Caterini (G. B. Caterino). Catalogo metodico di minerali e rocce. (Tract.) 8vo. *Livorno*, 1870.

Catlin (George). A descriptive catalogue of his Indian Collection, containing portraits, landscapes, costumes, &c. . . . of the North American Indians. (Tract.) 8vo. *London*, 1848.

——. The lifted and subsided rocks of America, with their influences on the oceanic, atmospheric, and land currents, and the distribution of Races. 8vo. *London*, 1870.

Catlow (Agnes) and **Reeve** (Lovell Augustus). The Conchologists' Nomenclator. A Catalogue of all the Recent Species of Shells included under the sub-kingdom 'Mollusca.' 8vo. *London*, 1845.

Catullo (Tommaso Antonio). Osservazioni sopra i monti che circoscrivono il distretto di Belluno. (Tract.) 8vo. *Verona*, 1818.

Catullo (Tommaso Antonio). Saggio di Zoologia fossile. 4to. *Padua*, 1827.

——. Trattato sopra la costituzione geognostico-fisica dei terreni alluviali o postdiluviani delle Provincie Venete. 8vo. *Padua*, 1838.

——. Osservazioni Geognostico-zoologiche sopra due scritti pubblicati nel tomo terzo delle memorie della Società Geologica di Parigi per l'anno 1838. (Tract.) 4 copies. 4to. *Padua*, 1840.

——. Lettera al Conte Camillo Salina [sopra la costituzione geognostica del Monte Spitz]. (Tract.) 8vo. *Bologna*, 1841.

——. Nota intorno gli Echinidi fossili della creta e del terreno terziario delle provincie Venete. (Tract.) 8vo. *Bologna*, 1841.

——. [Sul terreno paleozoico della Brianza, e descrizione della *Sigaretus Curionii*, Cat.] (Tract.) 12mo. *Padua*, 1843.

——. Sulle caverne delle provincie Venete. 4to. *Venice*, 1844.

——. Osservazioni sulle rocce levigate delle Alpi Venete. (Tract.) 8vo. *Venice*, 1846.

——. Remarques extraites de l'ouvrage inédit sur la Géognosie paléozoïque des Alpes Vénitiennes. (Tract.) 8vo; Plates, 4to. *Bologna*, 1846.

——. Cenni sopra il sistema Cretaceo delle Alpi Venete e descrizione d'alcune specie di Cefalopodi trovate nella Calcaria rossa Ammonitica, e nel Biancone riferibili allo stesso sistema. (Tract.) 8vo. *Venice*, 1846.

——. Osservazioni sopra uno scritto del Nob. Achille de Zigno intorno alla non promiscuità dei fossili tra il Biancone e la Calcaria Ammonitica delle Alpi Venete. (Tract.) 8vo. *Padua*, 1847.

——. Intorno le Nereidi fossili di monte Bolca. (Tract.) 8vo. *Padua*, no date.

——. [Tavole inedite di Polepai fossili formanti seguito delle già pubblicate l'anno 1847 di cui fa cenno il Cav. Murchison nel Quarterly 1848 e 49.] (Tract.) 4to. 1850?

——. Lettera Geologica al celebre Cavaliere Impey Rodrigo Murchison. (Tract.) 8vo. *Bologna*, 1851.

——. Intorno ad una nuova classificazione delle Calcare rosse Ammonitiche delle Alpi Venete. (Tract.) 4to. *Venice*, 1853.

——. Sui Crostacei fossili della Calcaria grossolana del Veronese. (Tract.) 4to. *Padua*, 1854.

——. Prospetto degli scritti. 4to. *Padua*, 1857.

——. Delle Miniere delle Alpi Venete e principalmente di quelle del Bellunese. (Tract.) 8vo. *Venice*, 1860.

——. Brocchi, Gio. Battista [an obituary]. (Tract.) 2 copies. 8vo. *Padua*, 1863.

——. Discorrimenti sopra alcuni importanti fatti Geognostico-Paleozoici. (Tract.) 2 copies. 8vo. *Padua*, 1865.

——. Sopra le scoperte del chiaro uomo Sig. Dott. Lioy. . . . Nota Storico-geologica. (Tract.) 8vo. *Padua*, 1865.

——. See Pilla (L.).

Catullo (Valer.). Nota sopra alcuni fatti attinenti alla geognosia delle Alpi Venete. (Tract.) 8vo. *Milan*, 1842.

Cauchy (F. P.). Mémoire couronné en réponse à la question proposée par l'Académie Royale des Sciences et Belles-Lettres des Bruxelles: "Décrire la constitution géologique de la Province de Namur," etc. 4to. *Brussels*, 1825.

Cauchy (F. P.). Marche Géologique du Choléra. (Newspaper cutting.) *Namur*, 1832.

Caumont (— de). Essai sur la Topographie Géognostique du Département du Calvados. 8vo. *Caen*, 1828.

Cautley (Sir Proby T.). Note on the Fossil Crocodile (and Gharial) of the Sivalik Hills. (Tract.) 4to. *Calcutta* (?), 1836.

——. Report on the Ganges Canal Works. 3 vols. 8vo. Plans. 2 vols. fol. *London*, 1860.

——. The Ganges Canal. 8vo. *London*, 1864.

——. A Valedictory note to Major-General Sir Arthur Cotton, respecting the Ganges Canal. (Tract.) 8vo. *London*, 1864.

——. See Falconer (Hugh).

—— and **Falconer** (Hugh). Note on the *Ursus sivalensis*, a new Fossil species from the Siválik Hills. (Tract.) 4to. *Calcutta*, 1836.

Cecchi (Filippo). Sismografo elettrico a carte affumicate scorrevoli. (Tract.) 4to. *Rome*, 1876.

Celnart (—). Manuel complet des jeux de Société. 12mo. *Paris*, 1827.

Cermelli (Pier Maria). Carte corografiche e memorie riguardanti le Pietre, le Miniere, e i Fossili per servire alla Storia naturale delle Provincie del Patrimonio, Sabina, Lazio, Marittima, Campagna, e dell' Agro Romano. 2 copies. 4to. *Naples*, 1782.

Ceselli (Luigi). Sopra una Tartaruga trovata alle acque caje di Viterbo. (Tract.) 8vo. *Rome*, 1846.

——. Memoria Geologica sopra i colli Giannicolesi. (Tract.) 8vo. *Rome*, 1848.

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——. Stromenti in silice della prima epoca della pietra della Campagna Romana. (Tract.) 8vo. *Rome*, 1866.

——. [Résumé du mémoire sur les silex taillés de l'époque archéolithique qu'on trouve dans la Campagne Romaine.] (Tract.) 8vo. *Rome*?, 1867.

——. Sopra l'arte ceramica primitiva nel Lazio. (Tract.) 4to. *Rome*, 1868.

Chabas (F.). Notice sur la découverte d'une couche abondante de Crinoïdes fossiles de l'espèce *Pentacrinus*. (Tract.) 8vo. *Chalon-sur-Saône*, 1877.

Chabriol (J. S. Devèze de). See Devèze de Chabriol (J. S.).

Chaillet (Jean-Frédéric de). Biographical Notice. See Candolle (Aug. Pyr. de).

"**Challenger Expedition.**" Reports of Ocean Soundings and Temperatures, 1873–1876. Nos. 1–7. Fol. *London*, 1873–1876.

——. Papers by Sir Wyville Thomson, Mr. Murray, Mr. Moseley, Mr. Buchanan, and the late Dr. Von Willemöes-Suhm. 8vo. *London*, 1876.

——. The Voyage of the 'Challenger.' The Atlantic: a preliminary account of the general results of the Exploring Voyage of H.M.S. 'Challenger,' 1873 and 1876. By Sir C. Wyville Thomson. 2 vols. 8vo. *London*, 1877.

Chalmas (— Munier-). See Hébert (E.).

Chalmers (Charles). Notes for Enquiry. Nos. 1 and 2. (Tract.) 8vo. *Edinburgh*, 1855.

Chambers (Charles Harcourt). See GASTALDI (Bartolomeo).

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Chambers (Robert). Vestiges of the Natural History of Creation. 4th edition. 8vo. *London*, 1845.

——. 11th edition. 8vo. *London*, 1860.

——. Explanations: a Sequel to 'Vestiges of the Natural History of Creation.' 8vo. *London*, 1845.

——. Ancient Sea-margins. 8vo. *Edinburgh* and *London*, 1848.

——. Tracings of the North of Europe. 12mo. *Edinburgh*, 1850.

——. On Glacial Phenomena in Scotland and part of England. (Tract.) 8vo. *Edinburgh*, 1853.

Chambers (V. T.). Papers on the Tineina and Entomostraca of Colorado. (Tract.) 8vo. *Washington*, 1877.

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Channel Tunnel. Statement by the Executive Committee, with Engineers' Report and Diagram. (Tract.) 8vo. *London*, 1869.

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——. [Newspaper Report of a discussion at the British Association.] (Tract.) 4to. *Barrow*, 1875.

Chantereaux (— Bouchard-). See BOUCHARD-CHANTEREAUX (—).

Chantre (Ernest). Les faunes mammalogiques tertiaire et quaternaire du bassin du Rhône. (Tract.) 8vo. *Lyons*, 1874.

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——. A Popular and Practical Exposition of the Minerals and Geology of Canada. 8vo. *Toronto*, 1864.

——. A Popular Exposition of the Minerals and Geology of Canada. 8vo. *Toronto*, 1871.

——. An Outline of the Geology of Canada. 8vo. *Toronto*, 1876.

——. On the probable nature of the supposed fossil tracks known as Protichnites and Climactichnites. (Tract.) 8vo. *Toronto*, 1877.

Chapuis (F.). Nouvelles recherches sur les fossiles des terrains secondaires de la province de Luxembourg. Part I. 4to. *Brussels*, 1858.

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——. Reply to Mr. Woodward's Remarks on the Coralline Crag, etc. (Tract.) 8vo. *London*, 1835.

Charlesworth (Edward). Appendix to the Thirty-ninth number of the New Series of the Magazine of Natural History. (Tract.) 8vo. *London*, 1840.

——. Catalogue of British Marine recent shells. 8vo. *York*, 1852.

Charleton (Walter). Exercitationes de differentiis et nominibus Animalium : quibus accedunt Mantissa Anatomica, etc. 2nd edition. 4to. *Oxford*, 1677.

Charnock (Richard S.). Verba Nominalia, or words derived from Proper names. (Anthropological Society.) 8vo. *London*, 1866.

Charpentier (Johann Friedrich Willhelm von). Mineralogische Geographie der chursächsischen Länder. 4to. *Leipzig*, 1778.

——. Beobachtungen über die Lagerstätte der Erze : hauptsächlich aus den sächsischen Gebirgen. 4to. *Leipzig*, 1799.

——. Beytrag zur geognostischen Kenntniss des Riesengebirges schlesischen Antheils. 2 copies. 4to. *Leipzig*, 1804.

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Chaulaire (P. G.). See PUY-DE-DÔME.

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Chavannes (S.). Notice nécrologique sur Ch. Adolphe Morlot. (Tract.) 8vo. *Berne*, 1867.

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Chemnitz (Johann Hieronymus). See MARTINI (F. H. W.).

Chenevix (Richard). Observations on Mineralogical Systems, translated from the French. (Tract.) 8vo. *London*, 1811.

Cheney (T. Apoleon). Illustrations of the Ancient Monuments in Western New York. (Tract.) 8vo. *New York?*, 1859.

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Chevalier (Michel). Remarks on the production of the Precious Metals, and on the Depreciation of Gold. Translated by D. Forbes Campbell. (Tract.) 8vo. *London*, 1853.

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Chevandier (Eugène). See PONCELET (—).

Chevreul (E.). Exposé d'un moyen de définir et de nommer les couleurs d'après une méthode précise et expérimentale. Atlas. 4to. *Paris*, 1861.

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China. A Complete view of the Chinese Empire. . . . And a genuine and copious Account of Earl Macartney's Embassy. 8vo. *London*, 1798.

Chiswick. See HAMMERSMITH.

Chittenden (George B.). See SURVEYS: UNITED STATES.

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Christ (Wilhelm). Von der Bedeutung der Sanskritstudien für die griechische Philologie. Festrede gehalten in der öffentlichen Sitzung der k. b. Akademie der Wissenschaften . . . am 28 März, 1860. 4to. *Munich*, 1860.

Christie (Alexander Turnbull). A Treatise on the Epidemic Cholera; containing its History, Symptoms, Autopsy, Etiology, Causes, and Treatment. 8vo. *London*, 1833.

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——. Sul moto ondoso del mare e su le correnti di esso specialmente su quelle littorali. 8vo. *Rome*, 1866.

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——. ——. Additions in the Second Edition, etc. etc. 8vo. *London*, 1830.

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——. ——. 2nd edition. 2 vols. 8vo. *Boston*, 1822.

Clifford (H. F.). See HALL (Basil).

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——. Reports received from H.M. Secretaries of Embassy and Legation respecting Coal. With an Appendix, and Reports as to Coal production in British Colonies. (Tract.) 8vo. *London*, 1867.

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Cochran-Patrick (R. W.). See Patrick (R. W. Cochran-).

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——. See Benecke (E. W.).

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Collomb (Edouard). Note sur l'époque d'apparition des glaciers dans l'Europe centrale. Et Note sur l'apparition récente des glaciers, sur leur maximum de développement en Europe, leur diminution et disparition ; par Constant Prévost. (Tract.) 4to. *Paris*, 1850. See also Lecoq (H.).

——. Mémoire sur les Glaciers actuels. (Tract.) 8vo. *Paris*, 1857.

——. See Martins (Charles) and **Verneuil** (Ed. de).

Colquhoun (Ewing Pye). See Ulrichs (H. N.).

Columbian Mining Association. Sixteenth Report of the Directors. (Tract.) 8vo. *London*, 1836.

Columna (Fabius). Opusculum de Purpura, Romæ primum, an. 1616, editum, et nunc iterum luci datum. Opera ac studio Johann Danielis Majoris, cujus novissime accesserunt annotationes quædam. 4to. *Kiel*, 1676.

—— See Scilla (Agost.).

Colvin (Verplanck). Report on a Topographical Survey of the Adirondack Wilderness of New York. 8vo. *Albany*, 1873.

Combes (Jacques Ludomir). Mémoire sur l'exploitation des Mines des Comtés de Cornwall et de Devon. (Tract.) 8vo. *Paris*, 1834.

——. Etudes géologiques sur l'ancienneté de l'homme, etc., dans les vallées du Lot et de ses affluents, la Thèze, la Lémance et la Lède, département de Lot-et-Garonne. (Tract.) 8vo. *Agen*, 1865.

Comte (Achille). See Edwards (H. Milne-).

Conchology. Verzeichniss einer Sammlung von Meeres-, Süsswasser- und Land-Conchylien, von 1216 Species, geordnet nach Philippi's Handbuch der Conchyliologie. (Tract.) 8vo. *Heidelberg*, 1856.

Connell (Arthur). Analysis of Coprolites and other Organic Remains imbedded in the Limestone of Burdiehouse, near Edinburgh. (Tract.) 4to. *Edinburgh*, 1835.

Conrad (Timothy Abbot). Fossil Shells of the Tertiary Formations of North America. (Tract.) 8vo. *Philadelphia*, 1832.

——. Fossils of the Tertiary Formations of the United States. 2 copies. 8vo. *Philadelphia*, 1838.

——. Descriptions of one new Cretaceous and seven new Eocene Fossils. (Tract.) 4to. *Philadelphia*, 1850.

——. A Synopsis of the Family of Naiades of North America, etc. (Tract.) 8vo. *Philadelphia*, 1853.

——. Monograph of the Genus *Fulgur*. (Tract.) 8vo. *Philadelphia*, 1853.

——. Synopsis of the Genera *Cassidula*, Humph., and of a proposed new Genus *Athleta*. (Tract.) 8vo. *Philadelphia*, 1853.

——. Check List of the Invertebrate Fossils of North America. Eocene and Oligocene. (Tract.) 8vo. *Washington*, 1866.

——. Explorations from the Mississippi to the Pacific. See United States.

——. See Blake (William P.), and Surveys: United States.

Contejean (Charles). Etude de l'étage Kimméridien dans les environs de Montbéliard et dans le Jura de France et de l'Angleterre. 8vo. *Paris*, 1859.

——. Eléments de Géologie et de Paléontologie. 8vo. *Paris*, *London*, and *Madrid*, 1874.

Conybeare (W. D.) and **Phillips** (William). Outlines of the Geology of England and Wales. Part I. 2 copies. 8vo. *London*, 1822.

Coode (Sir John). Description of the Chesil Bank. (Tract.) 8vo. *London*, 1853.

Cook (George H.). See Surveys: New Jersey.

Cook (S. E.). Sketches in Spain during the years 1829, 30, 31, and 32. 2 vols. 8vo. *London*, 1834.

Cooke (Josiah P.). Crystalline Form not necessarily an indication of definite Chemical Composition. (Tract.) 8vo. *London*, 1860.

——. The Vermiculites: their Crystallographic and Chemical Relations to the Micas, &c. (Tract.) 8vo. *Philadelphia*, 1874.

——. Melanosiderite: a new mineral species, from Mineral Hill, Delaware County, Pennsylvania. (Tract.) 8vo. *Philadelphia*, 1875.

——. Contributions from the Chemical Laboratory of Harvard College. (Tract.) 8vo. *Cambridge*, *Mass.*, 1877.

Cooke (Philip St. George). The Official journal of Lieut.-Col. P. St. G. Cooke from Santa Fé to San Diego, &c. (Tract.) 8vo. *Washington*, 1849.

Cookesley (T. Hugo). See PLATTNER (K. F.).

Coolidge (Richard H.). See UNITED STATES. Statistical Report on the Sickness and Mortality in the Army.

Cooper (Daniel). A List of the Land and Freshwater Shells found in the Environs of London. (Tract.) 8vo. *London*, 1836.

——. Flora Metropolitana; or Botanical Rambles within thirty miles of London, with Supplement. (Tract.) 8vo. *London*, 1837.

——. Catalogue of the British Natural Orders and Genera, arranged according to the system of Decandolle (extracted from Dr. D. C. Macreight's Manual of British Botany), together with the whole of the Linnæan Classes and Orders (from Sir W. J. Hooker's British Flora). Printed by order of the Council of the Botanical Society of London. (Tract.) Fol. *London*, 1838.

——. Australian Coal. Fol. *London*, 1862.

——. See REPORTS, PARLIAMENTARY. Coal.

Cooper (J. G.). See SURVEYS: CALIFORNIA.

Cooper (William). Notices of Big Bone Lick [Kentucky]. (Tract.) 8vo. 1832.

Cooper (W. M.). See SURVEYS: NEW ZEALAND.

Cope (Edward Dwight). On Cretaceous and Tertiary Reptilia and Fishes. (Tract.) 8vo. *Philadelphia*, 1870.

——. On the Cretaceous and Tertiary Reptilia and Fishes.—On the Saurodontidæ.—On the Fishes of a Freshwater Tertiary in Idaho, discovered by Capt. Clarence King. (Tract.) 8vo. *Philadelphia*, 1870.

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——. Second account of new Vertebrata from the Bridger Eocene. (Tract.) 8vo. *Philadelphia*, 1872.

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——. On the Geologic Age of the Vertebrate Fauna of the Eocene of New Mexico. (Tract.) 8vo. *Philadelphia*, 1876.

——. (Palæontological Bulletin, No. 21.) On the Geologic Age of the Vertebrate Fauna of the Eocene of New Mexico. (Tract.) 8vo. *Philadelphia*, 1876.

——. (——, No. 22.) Description of some Vertebrate remains from the Fort Union beds of Montana. (Tract.) 8vo. *Philadelphia*, 1876.

——. (——, No. 23.) On some Extinct Reptiles and Batrachia from the Judith River and Fox Hills beds of Montana. (Tract.) 8vo. *Philadelphia*, 1876.

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8vo. *Washington*, 1878.

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——. (Palæontological Bulletin, No. 28.) Descriptions of new Extinct Vertebrata from the Upper Tertiary Formations of the West.—On some Saurians found in the Triassic of Pennsylvania, by C. M. Wheatley.—On the Vertebrata of the Dakota Epoch of Colorado. (Tract). 8vo. *Philadelphia*, 1878.

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8vo. *Philadelphia*, 1878.

Cope (Edward Dwight). (Palæontological Bulletin, No. 30.) Contribution to the Vertebrate Fauna of the Miocene of Oregon, [or] On some of the Characters of the Miocene Fauna of Oregon. (Tract.) 8vo. *Philadelphia*, 1878.

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Copland (John). Notice sur la Mine de Cornaline de Barotch, entre Bombay et Brouda; extrait communiqué par M. Michelin. (Tract.) 8vo. *Paris*, 1856.

Copper Mines. See Reports, Parliamentary.

Copper Smelting. Proceedings of the Subscribers to the Fund for obviating the inconvenience arising from the Smoke produced by Smelting Copper Ores, etc. (Tract.) 2 copies. 8vo. *Swansea*, 1823.

Coquand (H.). Traité des Roches. 8vo. *Paris, etc.*, 1857.

——. Description physique, géologique, paléontologique et minéralogique du département de la Charente. Vol. I. 8vo. *Besançon*, 1858.

——. Géologie et Paléontologie de la région sud de la province de Constantine. 8vo; Atlas, 4to. *Marseilles*, 1862.

——. Monographie de l'étage Aptien de l'Espagne. 8vo. *Marseilles*, 1865.

——. De l'âge et de la position des marbres blancs statuaires des Pyrénées et des Alpes Apuennes en Toscane. (Tract.) 4to. *Paris*, 1874.

——. Histoire des terrains stratifiés de l'Italie centrale se référant aux périodes primaire, paléozoïque, triasique, rhétienne et jurassique. 2 parts. (Tracts.) 8vo. *Paris*, 1875.

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Coquebert (—). On Examining the bottom of the Sea. (Tract.) MS.

Coquebert de Montbret (Charles-Etienne), *Baron*. Biographical Notice. See Lamathière (Théodore).

Coral Islands. [A Review of 'The Structure and Distribution of Coral Reefs,' by C. Darwin.] (Tract.) 8vo. *Edinburgh*, 1842.

Corbaux (Fanny). On the Comparative Physical Geography of the Arabian Frontier of Egypt, at the earliest epoch of the Egyptian history, and at the present time. (Tract.) 8vo. *Edinburgh*, no date.

Corda (August Joseph C.). Beiträge zur Flora der Vorwelt. 4to. *Prague*, 1845.

——. See HAWLE (Ignaz).

Cordeiro (A. X. R.). A' memoria do Excellentissimo senhor Agostinho José Pinto de Almeida. (Tract.) 4to. *Coimbra*, 1848.

Cordella (A.). La Grèce sous le rapport géologique et minéralogique. (Tract.) 8vo. *Paris*, 1878.

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Cordier (Pierre Louis Antoine). Biographical Notice. See JAUBERT, *Comte*.

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——. See JAUBERT, *Comte*, and RAULIN (Victor).

Cornalia (Emilio). Notizie Zoologiche sul *Pachypleura Edwardsii*. (Tract.) 4to. *Milan*, 1854.

Cornet (F. L.) and **Briart** (A.). Note sur la découverte dans le Hainaut d'un Calcaire Grossier avec faune tertiaire. Avec rapports de M. Dewalque et M. d'Omalius. (Tract.) 8vo. *Brussels*, 1865.

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Cornwall. Prospectus for a School of Mines in Cornwall. (Tract.) 4to. *London*, 1825.

Corsi (Faustino). Delle pietre antichi. Libri quattro. 8vo. *Rome*, 1828.

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Cossigny (J. Charpentier de). See Charpentier de Cossigny (J.).

Cossio (Eloy de). See Anciola (Antonio L.).

Costa (Emanuel Mendes da). See Cronstedt (Axel Fredric).

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——. Rocks classified and described. A treatise on Lithology. Translated by Philip Henry Lawrence. 8vo. *London*, 1866.

——. A Treatise on Ore Deposits. Translated from the second German edition by Frederick Prime. 8vo. *New York*, 1870.

——. Der Altai. Sein geologischer Bau und seine Erzlagerstätten. 8vo. *Leipzig*, 1871.

——. The Development-Law of the Earth. Translated by R. R. Noel. 8vo. *London*, 1875.

——. Beiträge zur Geschichte der Geologie. I. Abtheil. Geologisches Repertorium. 8vo. *Leipzig*, 1877.

——. See Fournet (J.).

Cotteau (Gustave). Etudes sur les Echinides fossiles du département de l'Yonne. Vols. I.–II. [incomplete]. 8vo. *Paris*, 1849–76.

——. Catalogue méthodique des Echinides recueillis dans l'étage Néocomien du département de l'Yonne. (Tract.) 8vo. *Auxerre*, 1851.

——. Etudes sur les Mollusques fossiles du département de l'Yonne. 1er fascicule, comprenant l'Introduction et le Prodrome. 8vo. *Paris*, 1853–57.

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——. Catalogue raisonné des Echinides fossiles du département de l'Aube. 8vo. *Troyes*, 1865.

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——. Fossiles Albiens et Cénomaniens des environs de Saint Florentin. (Tract.) 8vo. *Auxerre*, 1867.

——. Le Congrès international d'Anthropologie et d'Archéologie préhistoriques, tenu à Paris, au mois d'août, 1867. (Tract.) 8vo. *Auxerre*, 1867.

——. Note sur les Echinides crétacés décrits dans de le septième volume de la Paléontologie française. (Tract.) 8vo. *Paris*, 1867.

——. Rapport sur les Musées d'histoire naturelle de quelques-unes des villes du Sud-ouest de la France. (Tract.) 8vo. *Caen*, 1867.

——. Nouvelles observations sur le terrain jurassique des environs de Tonnerre. (Tract.) 8vo. *Auxerre*, 1868.

——. Description de quelques Echinides tertiaires des environs de Bordeaux. (Tract.) 8vo. *Bordeaux*, 1869.

——. Notice sur les Echinides fossiles recueillis par M. Louis Lartet en Syrie et en Idumée, pendant son voyage avec le duc de Luynes. (Tract.) 8vo. *Paris*, 1869.

——. Sur les Echinides fossiles recueillis par M. L. Lartet en Syrie, pendant son voyage avec le duc de Luynes. (Tract.) 4to. *Paris*, 1869.

——. Note sur les Echinides du terrain jurassique supérieur d'Algérie. (Tract.) 8vo. *Paris*, 1869.

——. Notes sur quelques Musées d'histoire naturelle de la Suisse et de l'Allemagne du Sud. (Tract.) 8vo. *Auxerre*, 1869.

——. Coup d'œil d'ensemble sur le Programme de la section des Sciences naturelles du Congrès Scientifique de Chartres. (Tract.) 8vo. *Chartres*.

——. Description de quelques espèces d'Echinides de Suède. (Tract.) 8vo. *Paris*, 1870.

——. Rapport sur 'Le Bassin Parisien aux âges antéhistoriques,' par M. Belgrand. (Tract.) 8vo. *Auxerre*, 1870.

——. Sur le genre *Asterostoma*, de la famille des Echinocorydées. (Tract.) 4to. *Paris*, 1870.

——. Sur les Oursins jurassiques de la Suisse. (Tract.) 8vo. *Paris*, 1872.

——. Sur le genre *Tetracidaris*. (Tract.) 8vo. *Auxerre*, 1873.

——. Congrès International d'Anthropologie et d'Archéologie préhistriques : Session de Bruxelles. (Tract.) 8vo. *Auxerre*, 1874.

——. Congrès International d'Anthropologie et d'Archéologie préhistoriques : Session de Stockholm. (Tract.) 8vo. *Auxerre*, 1874.

Cotteau (Gustave). Note sur les Echinides irréguliers du terrain jurassique de France. (Tract.) 8vo. *Paris*, 1874.

——. Description des Echinides tertiaires des îles St.-Barthélemy et Anguilla. 4to. *Stockholm*, 1875.

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——. Note sur les Echinides crétacés de la province du Hainaut. (Tract.) 8vo. *Paris*, 1875.

——. Echinodermes réguliers. From the 'Paléontologie Française.' 8vo. *Paris*, 1876.

——. Réunion des Délégués des Sociétés savantes à la Sorbonne. (Tract.) 8vo. *Auxerre*, 1876.

——. Congrès International d'Anthropologie et d'Archéologie préhistoriques. Session de Budapesth. (Tract.) 8vo. *Auxerre*, 1877.

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——. Sur les Salénidées du terrain jurassique de la France. (Tract.) 4to. *Paris*, 1879.

——. See Barrois (C.), Leymerie (A.), Locard (Arnould), Orbigny (Alcide d'), and Verneuil (Ed. de).

——, **Péron** (A.), and **Gauthier** (V.). Echinides fossiles de l'Algérie. Description des espèces déjà recueillies dans ce pays, et considérations sur leur position stratigraphique. Fascicules 1–6 (4 in duplicate). 8vo. *Paris*, 1876–80.

—— and **Triger** (Jules). Echinides du département de la Sarthe, considérés au point de vue zoologique et stratigraphique. Text and Atlas. (Livraisons 1–8 (1861) in duplicate.) 8vo. *Paris*, 1855–69.

Cotter (J. C. Berkeley). Fosseis das bacias tertiarias marinas do Tejo, do Sado, e do Algarve. (Tract.) 8vo. *Lisbon*, 1879.

Couch (Jonathan). See Pliny.

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Coues (Elliott). Birds of the Colorado Valley, a repository of scientific and popular information concerning North American Ornithology. (United States Geological Survey of the Territories, Miscellaneous Publications, No. 11.) 8vo. *Washington*, 1878.

——. See McCauley (C. A. H.), Sennett (George B.), and Surveys: United States.

—— and **Yarrow** (H. C.). Notes on the Herpetology of Dakota and Montana. (Tract.) 8vo. *Washington*, 1878.

Coulter (John M.). See Surveys: United States.

Courtiller (A.). Éponges fossiles des sables du terrain crétacé supérieur des environs de Saumur. 8vo. *Angers*, 1861.

——. Les Nullipores de l'étage Sénonien. (Tract.) 8vo. *Paris*, 1862.

Covelli (N.). See Monticelli (Teodoro).

Cowell (S. H.). See Anastatic Printing.

Cox (E. T.). See Surveys: Indiana.

Coxe (John Redman). Some observations on the subject of the Jalap plant. (Tract.) 8vo. *Philadelphia*, 1830.

——. See Serials, etc.: Philadelphia. Emporium of Arts and Sciences.

Coxe (W.). Observations faites dans les Pyrénées. Traduction par M. Ramond. 8vo. *Paris*, 1789.

Coxworthy (Franklin). The Potato Disease and Bad Ventilation: being a correspondence, etc. (Tract.) 8vo. *London*, 1847.

Cozzens (Issachar, jun.). A Geological History of Manhattan, or New York Island, together with a Map of the Island and a Suite of sections, tables, and columns, for the study of Geology, particularly adapted for the American student. 8vo. *New York*, 1843.

Craig (John). Further information connected with the Mineral Property belonging to the Corporation of Glasgow. (Tract.) 8vo. *Glasgow*, 1839.

Craig (John). See Dictionaries, English.

Cramer (Charles). Etwas über die Natur-Wunder in Nord-America. (Tracts.) 8vo. *St. Petersburg*, 1837–40.

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Crane (Agnes). On certain genera of living Fish and their fossil affinities. (Tract.) 2 copies. 8vo. *Brighton*, 1877.

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Crawford (James Coutts). On the Geology of the Port Nicholson District, New Zealand. (Tract.) 8vo. *London*, 1855.

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Credner (Carl Friedrich Heinrich). Nekrolog. (Tract.) 8vo. *Halle*, 1875.

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Crichton (Dr.). Extract of a letter from St. Petersburg. (Tract.) MS.

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Croft (Thomas). The Self-propagating nature of Centrifugal Force as it affects our Earth and other portions of our Solar System. (Tract.) 2 copies. 8vo. *Pepeeti, Tahiti*, 1875.

Croizet (—) and **Jobert** (—). Recherches sur les ossemens fossiles du Département du Puy-de-Dôme. (Text and Atlas.) 4to. *Paris*, 1828.

Croll (James). On the Eccentricity of the Earth's Orbit. (Tracts.) 8vo. *London*, 1866–67.

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Cronstedt (Axel Fredric). An Essay towards a System of Mineralogy, translated from the Swedish, with notes, by Gustav von Engestrom. The whole revised by Emanuel Mendes da Costa. 8vo. *London*, 1770.

Crosby (W. O.). Report on the Geological Map of Massachusetts prepared by W. O. C. (Tract.) 8vo. *Boston*, 1876.

Crosse (H.). See Angas (George French).

—— and **Fischer** (P.). Étude sur la mâchoire et l'armature linguale des Cylindrellidæ, etc. (Tract.) 8vo. *Paris*, 1870.

Crosskey (Henry William). See Brady (George Stewardson).

Crüger (Herman). On the Meteorology of Trinidad. With an Obituary Notice of the Author by Alexander Williams Anderson. (Tract.) 8vo. *Trinidad*, 1864.

Cullen (Edmund). See Bergman (Torbern).

Cumberland (George). Reliquiæ Conservatæ. 8vo. *Bristol*, 1826.

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——. On the Development of Electro-magnetism by Heat. (Tract.) 4to. *Cambridge*, 1823.

Cumming (Joseph George). The Isle of Man ; its history, physical, ecclesiastical, civil, and legendary. 8vo. *London*, 1848.

——. A Guide to the Isle of Man. 8vo. *London*, 1861.

Cunningham (Robert James Hay). On the Geognosy of Sutherlandshire. 8vo. *Edinburgh*, 1839.

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——. Geologia applicata delle provincie Lombarde. 2 vols. 8vo; Map, 4to. *Milan*, *Naples*, and *Pisa*, 1877.

Curr (John). The Coal-viewer and Engine-builder's practical companion. 4to. *Sheffield*, 1797.

Currey (Frederick). See Hofmeister (William).

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Cuvier (Frédéric). Des dents de Mammifères, considérées comme caractères zoologiques. 8vo. *Strasburg* and *Paris*, 1825.

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Cuvier (Georges-Chrétien-Frédéric-Dagobert). Obituary Notice. See Laurillard (C. L.).

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——. ——. Nouvelle édition. 5 vols. 4to. *Paris*, 1821–24.

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——. ——. Nouvelle édition. 5 vols. 8vo. *Paris*, 1829.

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——. Discours sur les révolutions de la surface du Globe. 4to. *Paris* and *Amsterdam*, 1826.

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Cuvier (Georges-Chrétien-Frédéric-Dagobert). A discourse on the revolutions of the surface of the Globe, translated from the French. 8vo. *London*, 1829.

——. See DERHAM (W.) and H . . . (J.).

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—— ——. Essai sur la géographie minéralogique des environs de Paris. 2 vols. 4to. *Paris*, 1811.

—— ——. Description géologique des environs de Paris. 4to. *Paris*, 1822.

Cyclopædia. See ENGLISH CYCLOPÆDIA, PENNY CYCLOPÆDIA, and REES'S CYCLOPÆDIA.

Čžižek (Johann). Erläuterungen zur geognostischen Karte der Umgebungen Wiens. 2 copies. 8vo. *Vienna*, 1849.

Czyszkowski (Stéphen). Coup d'œil général sur la nature et le gisement des minerais de fer en Algérie, et considérations générales sur les gisements métallifères. Algérie—Pyrénées—Corbière—Montagne Noire—Région de Huelva (Espagne)—Cévennes (zone d'Alais). 8vo. *Alais*, 1876.

D.

D'Achiardi (Antonio). See ACHIARDI (Antonio d').

Da Costa (Emanuel Mendes). See CRONSTEDT (A. F.).

Da Costa de Macedo (Joaquin José). Discursos lido em 15 de Maio de 1838, e em 22 de Janeiro de 1843 na sessão publica da Academia das Sciencias de Lisboa. (Tracts.) 8vo. *Lisbon*, 1838–43.

Dahll (Tellef). Om Finmarkens Geologie. (Tract.) 8vo. 1867.

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Dalhunty (—). See SURVEYS: PORTUGAL.

Dalimier (Paul Louis Marie). Obituary Notice. See HÉBERT (Ed.).

Dall (W. H.). Observations on the Geology of Alaska. 8vo. *New York*, 1865–68.

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D'Alton (E.). See Alton (E. d').

Dalton (John). A new system of Chemical Philosophy. Vol. i. part 2, vol. ii. part 1. 8vo. *Manchester*, 1810–27.

——. ——. 2nd edition (reprint), vol. i. part 1. 8vo. *London*, 1842.

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——. Supplement to the Handbook to the Geology of Weymouth and the Isle of Portland, consisting of nine lithographic plates of fossils by C. R. Bone. 8vo. *London*, 1864.

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Dana (James Dwight). On some points in Lithology.—I. On some of the characters employed in distinguishing different kinds of rocks. (Tract.) 8vo. *New Haven*, 1878.

——. See Dana (Edward Salisbury), Scacchi (Archangelo), and Varley (D.).

—— and **Brush** (George Jarvis). A system of Mineralogy. Descriptive Mineralogy, comprising the most recent discoveries. 5th edition. 8vo. *New York*, 1868.

Dana (James Freeman) and **Dana** (Samuel L.). Outlines of the Mineralogy and Geology of Boston and its vicinity. 8vo. *Boston*, 1818.

Danby (T. W.). See Fuchs (C. W. C.).

Daniell (Raymond S.). See Durnford (James Cæsar).

Danube. Commission Européenne. Mémoire sur les travaux d'amélioration exécutés aux embouchures du Danube. 4to. *Galatz*, 1867.

——. Commission Européenne. Plans comparatifs de l'embouchure et de différentes sections fluviales du bras de Soulina. Fol. *Leipzig*, 1867.

——. Commission Européenne. Mémoire sur l'achèvement des travaux d'amélioration exécutés aux embouchures du Danube. 4to. *Leipzig*, 1873.

——. Commission Européenne. Cartes du delta du Danube et plans comparatifs de l'embouchure et de quelques sections fluviales du bras de Soulina. Fol. *Leipzig*, 1874.

Darbes (Francesco). Istoria dell' Incendio del Vesuvio accaduto nel mese di Maggio dell' anno MDCCXXXVII. Scritta per l'Accademia delle Scienze. 2nd edition. 8vo. *Naples*, 1740.

Darbishire (R. D.). On the genuineness of certain fossils from the Macclesfield Drift-beds. (Tract.) 8vo. *London*, 1865.

——. Notes on some superficial deposits at Great Orme's Head, &c.; and on Pholas holes at high levels, near Buxton. (Tract.) 8vo. *Manchester*, 1868.

——. Notes on marine shells found in stratified drift near Macclesfield. (Tract.) 8vo.

Darby (William). A geographical description of the State of Louisiana. 2 copies. 8vo. *Philadelphia*, 1816.

D'Archiac (A.). See Archiac (A. d').

Da-Rio (Niccoló). Sopra la così detta *Masegna* de' Monti Euganei. (Tract.) 4to. *Verona*, 1810.

——. Orittologia Euganea. 2 copies. 4to. *Padua*, 1836.

Darluc (Michel). Histoire naturelle de la Provence. 3 vols. 8vo. *Avignon*, 1782–86.

Darondeau (—). Notice sur les erreurs des Compas dues aux attractions locales à bord des navires en bois et en fer. 8vo. *Paris*, 1858.

Darwin (Charles Robert). [Extracts from Letters addressed to Professor Henslow.] (Tract.) 2 copies. Privately printed. 8vo. *Cambridge*, 1835.

——. [Narrative of the Surveying Voyages of H.M.SS. 'Adventure' and 'Beagle,' describing their examination of the Southern Shores of South America. Vol. III.] Journal and Remarks, 1832–1836. 8vo. *London*, 1839.

Darwin (Charles Robert). Observations on the Parallel Roads of Glen Roy, etc. (Tract.) 4to. *London*, 1839.

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——. Geological observations on South America. 2 copies. 8vo. *London*, 1846.

——. Geological observations. 2nd edition. 8vo. *London*, 1876.
*** Includes the two preceding works.

——. A monograph of the Fossil Lepadidæ, or pedunculated Cirripedes of Great Britain. [Palæontographical Society.] 4to. *London*, 1851.

——. A monograph on the Fossil Balanidæ and Verrucidæ. [Palæontographical Society.] 4to. *London*, 1854.

——. A monograph of the subclass Cirripedia, with figures of all the species. 2 vols. [Ray Society.] 8vo. *London*, 1854.

——. On the Origin of Species by means of Natural Selection, or the preservation of favoured races in the struggle for life. 8vo. *London*, 1859.

——. ——. 4th edition. 8vo. *London*, 1866.

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——. Geology. [From the Admiralty Manual of Scientific Enquiry.] (Tract.) 8vo. *London*, 1849.

——. See Beagle Expedition and Krause (Ernst).

Darwinian Theory. See Anon. The Darwinian theory examined.

Dathe (E.). See Surveys: Saxony.

Daubeny (Charles Giles Bridle). Obituary notice. See Phillips (John).

——. A description of Active and Extinct Volcanos. 8vo. *London*, 1826.

——. ——. 2nd edition. 8vo. *London*, 1848.

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——. Catalogue of [his] Philosophical Apparatus, Minerals, Geological Specimens, &c. (Tract.) 4to. *Oxford*, 1861.

——. Remarks on the Recent Eruption of Vesuvius in December 1861. (Tract.) 8vo. *London*, 1862.

Daubeny (Charles Giles Bridle). Christianity and Rationalism in their relations to Natural Science. (Tract.) 8vo. *Oxford* and *London*, 1867.

——. Miscellanies: being a collection of Memoirs and Essays on Scientific and Literary Subjects, published at various times. 2 vols. 8vo. *Oxford* and *London*, 1867.

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——. Etudes et expériences synthétiques sur le metamorphisme et sur la formation des roches cristallines. 2 copies. 4to. *Paris*, 1860.

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——. Expériences synthétiques relatives aux météorites. (Tract.) 8vo. *Paris*, 1868.

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——. Discours . . . prononcé aux funérailles de M. de Verneuil . . . 1873. (Tract.) 4to. *Paris*, 1873.

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*** With title in manuscript:—Expériences sur les déformations et ruptures de l'écorce terrestre.

Daubrée (A.). Recherches expérimentales sur les cassures qui traversent l'écorce terrestre, particulièrement celles qui sont connues sous les noms de joints et de failles. (Tract.) 4to. *Paris*, 1878.

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——. ——. (Tract.) 4to. *Paris*, 1880.

——. See Dufrénoy (—).

Daussy (P.). Table des Positions Géographiques des principaux lieux du Globe. (Tract.) 8vo. *Paris*, 1850.

—— See Beautemps Beaupré (C. F.).

Davey (E. C.). Papers contributed to the second volume of Transactions of the Newbury district Field Club. 8vo. *Wantage*, 1874.

——. Catalogue of Fossils from the Cretaceous beds of Berkshire. (Tract.) 8vo. *Wantage*, 1877.

Davidson (Thomas). Mémoire sur les Brachiopodes du système Silurien supérieur d'Angleterre; suivi d'observations sur quelque Brachiopodes de l'île de Gothland et sur des *Leptæna* à crochet perforé, par M. de Verneuil. (Tract.) 8vo. *Paris*, 1848.

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——. British Fossil Brachiopoda. Vols. I. *etc.* (Palæontographical Society.) 4to. *London*, 1851, etc.

——. Descriptions of a few new recent species of Brachiopoda. (Tract.) 8vo. *London*, 1852.

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Davidson (Thomas). A few remarks on the Brachiopoda. (Tract.) 8vo. *London*, 1855.

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——. Palæontological Notes on the Brachiopoda. (Tracts.) 8vo. *London*, 1858–59.

——. Mémoire sur les genres et les sous-genres des Brachiopodes munis d'appendices spiraux, et sur leurs espèces découvertes dans les couches carbonifères des Iles Britanniques, traduit et augmenté de notes par L. de Koninck. (Tract.) 2 copies. 8vo. *Liége*, 1859.

——. A Monograph of the Carboniferous Brachiopoda of Scotland. 8vo. *London*, 1860.

——. On Recent Terebratulæ. (Tract.) 8vo. *London*, 1861.

——. On the Recent and Tertiary Species of the Genus *Thecidium*. (Tract.) 8vo. *London*, 1864.

——. Notes on some Recent Brachiopoda dredged by the late Lucas Barrett off the north-east coast of Jamaica, and now forming part of the Collection of Mr. R. MacAndrew. (Tract.) 8vo. *London*, 1866.

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——. See Adams (Andrew Leith); Judd (J. W.); Serials, etc., Edinburgh, Geological Society; Koninck (L. de); and Suess (Edouard).

—— and **Bouchard-Chantereaux** (—). Note sur le *Magas pumilus*. (Tract.) 8vo. *Paris*, 1848.

—— and **Morris** (John). Descriptions of some species of Brachiopoda. (Tract.) 8vo. *London*, 1847.

Davies (D. C.). A Treatise on Slate and Slate-quarrying: Scientific, Practical, and Commercial. 8vo. *London*, 1878.

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Davies (J. Hamilton). See SMITH (J. Pye).

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Davies (T. S.). Catalogue of *his* valuable Mathematical and Scientific Library, etc. (Tract.) 8vo. *London*, 1851.

Davila (P. F.). Catalogue systématique et raisonné des curiosités de la Nature et de l'Art, qui composent *son* Cabinet. 3 vols. 8vo. *Paris*, 1767.

Davis (James W.) and **Lees** (F. A.). West Yorkshire: an Account of its Geology, Physical Geography, Climatology, and Botany. 8vo. *London*, 1878.

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Davy (John). A Letter . . . . addressed to the Editors of the 'Philosophical Magazine,' in continuation of a former one, and accompanied by documentary evidence contributed by Sir James South and B. Gompertz in reply to a certain charge made by C. Babbage against the late Sir H. Davy when President of the Royal Society. (Tract.) 8vo. *London*, 1865.

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Dawson (John William). Acadian Geology: an account of the Geological Structure and Mineral Resources of Novia Scotia. 8vo. *Edinburgh*, 1855.

——. ——. 3rd edition, with . . . supplement. 8vo. *London*, 1878.

——. On the varieties and mode of preservation of the Fossils known as *Sternbergiæ*. (Tract.) 8vo. *Montreal*, 1857.

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——. See Surveys: Canada.

—— and **Harrington** (B. J.). Report on the Geological Structure and Mineral Resources of Prince Edward Island. (Tract.) 8vo. *Montreal*, 1871.

Dawson (Robert Kearsley). Report on Surveying; considered with reference to New Zealand, and applicable to the Colonies generally. (Tract.) Fol. *London*, 1840.

Day (St. John V.). See British Association: Glasgow. Guide Books.

Deane (G.). See Serials, etc.: Birmingham. (Natural History and Microscopical Society.)

Deane (James). Biographical Notice. See Bowditch (Henry I.).

——. Illustrations of Fossil Footprints of the Valley of the Connecticut. (Tract.) 4to. *Philadelphia*, 1850.

——. Ichnographs from the Sandstone of Connecticut River. 2 copies. 4to. *Boston*, 1861.

Debey (Matthias Hubert). Uebersicht der urweltlichen Pflanzen des Kreidegebirges überhaupt und der aachener Kreideschichten insbesondere. (Tract.) 8vo. *Bonn*, 1848.

——. Ueber eine neue Gattung urweltlicher Coniferen aus dem Eisensand der aachener Kreide. (Tract.) 8vo. *Bonn*, 1848.

——. Entwurf zu einer geognostisch-geogenetischen Darstellung der Gegend von Aachen. (Tract.) 4to. *Aix-la-Chapelle*, 1849.

—— and **Ettingshausen** (Constantin von). Die urweltlichen Thallophyten des Kreidegebirges von Aachen und Maestricht. 4to. *Vienna*, 1859.

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——. Geognostischer Führer in das Siebengebirge am Rhein. 8vo. *Bonn*, 1861.
——. Geognostischer Führer zu der Vulkanreihe der Vorder-Eifel. 12mo. *Bonn*, 1861.
——. Geognostischer Führer zu dem Laacher See. 12mo. *Bonn*, 1864.
——. Orographische und hydrographische Uebersicht der Rhein Provinz und der Provinz Westphalen. 8vo. *Bonn*, 1870.
——. Die nutzbaren Mineralien und Gebirgsarten im deutschen Reiche. 8vo. *Berlin*, 1873.
——. See De la Beche (Henry T.), Exhibition of 1862, and Oeynhausen (Karl von).

Decimal System. International Association for obtaining a uniform Decimal System. British Branch. First Report of the Council to the General Meeting, held February 26th, 1857. (Tract.) 8vo. *London*, 1857.
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De la Beche (*Sir* Henry Thomas). Handbuch der Geognosie. Bearbeitet von H. von Dechen. 8vo. *Berlin*, 1832.
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Delaunay (Charles Eugène). Conjecture sur la cause de la chaleur centrale du Globe Terrestre. (Tract.) 8vo. *Tours*, 1840.

Delaunay (Louis). See Launay (L. de).

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—— and **Lapparent** (A. de). Extraits de Géologie. 1re partie. Paléontologie. 8vo. *Paris*, 1866–68.

—— ——. —— pour les années 1865, 1876 et 1877. 8vo. *Paris*, 1865, 1878.

——, **Laugel** (A.), and **Lapparent** (A. de). Revue de Géologie. Vols. I. etc. (1860 and 1869 in duplicate.) 8vo. *Paris*, 1861 etc.

Deleuze (J. P. F.). Histoire et description du Muséum Royal d'Histoire Naturelle. 8vo. *Paris*, 1823.

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Dembsher (Francesco). Della legittima distribuzione de' corpi minerali. 4to. *Venice*, 1777.

Demian (J. A.). Geographie und Statistik des Grosherzogthums Baden. 8vo. *Heidelberg*, 1829.

Demidoff (Paul de). Catalogue systématique des livres de la bibliothèque. 3 vols. 4to. *Moscow*, 1806.

Demole (Isaac). See Heer (Oswald).

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——. See Ramchundra.

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——. See Surveys: England and Wales.

Derham (William), **Smith** (J. E.), **Cuvier** (G.), and **Dupetit Thouars** (A.). Memorials of John Ray, consisting of his life; Biographical and Critical notices of his itineraries, etc. Edited by Edwin Lankester. (Ray Society.) 8vo. *London*, 1846.

Descloizeaux (Alfred). Observations physiques et géologiques sur les principaux geysirs d'Islande. (Tract.) 8vo. *Paris*, 1847.

——. Manuel de Minéralogie. Vols. i.–ii. 8vo. *Paris*, 1862–74.

——. Mémoire sur l'existence, les propriétés optiques et crystallographiques, et la composition chimique du Microcline, nouvelle espèce de Feldspath triclinique à base de potasse, etc. (Tract.) 8vo. *Paris*, 1876.

——. See Pisani (F.).

De Serres (Marcel). See Serres (Marcel de).

Desguin (Pierre). Etudes sur le Maroc. 8vo. *Anvers*, 1870.

Deshayes (G. P.). Description des coquilles fossiles des environs de Paris. 2 vols. 2 copies. 4to. *Paris*, 1824.

——. Description de coquilles caractéristiques des terrains. 8vo. *Paris*, 1831.

——. Description des animaux sans vertèbres découverts dans le bassin de Paris. 3 vols. text and 1 vol. Atlas. 4to. *Paris*, *London*, and *New York*, 1860.

——. Analyse du travail de M. Edouard Suess sur les Brachiopodes de la collection de Vienne. (Tract.) 8vo. *Paris*, 1861.

——. Distribution des Mollusques acéphales dans le bassin tertiaire de Paris. (Tract.) 8vo. *Paris*, 1861.

——. Catalogue des mollusques de îl'le de la Réunion (Bourbon). 8vo. *Paris*, 1863.

——. Histoire de la conchyliologie. Muséum d'Histoire Naturelle de Paris. Zoologie . . . Leçon d'ouverture. (Tract.) 4to. *Paris*, 1873.

——. Coquilles fossiles de l'Algérie. See Algeria.

——. See Verneuil (E. de).

Desjardins (Julien). See Serials, etc. Mauritius. Société d'Histoire Naturelle.

Deslongchamps (Eugène Eudes-). Mémoire sur les genres *Leptæna* and *Thecidea* des terrains jurassiques du Calvados. (Tract.) 4to. *Caen*, 1853.

Deslongchamps (Eugène Eudes-). Sur quelques Brachiopodes nouveaux du Lias. (Tract.) 8vo. *Caen*, 1853.

——. Sur un genre nouveau de Brachiopodes: suivi de la description de quelques espèces nouvelles de la Grande Oolithe et du Lias de Normandie. (Tract.) 8vo. *Caen*, 1855.

——. Note sur deux nouvelles térébratules du Lias moyen de Précigné (Sarthe). (Tract.) 4to. *Caen*, 1856.

——. Notes pour servir à la Géologie du Calvados. (Tract.) 8vo. *Caen*, 1856.

——. Notes pour servir à la Géologie du Calvados. 2e et 3e Articles. (Tract.) 8vo. *Caen* and *Paris*, 1863.

——. Description des couches du système Oolithique inférieur du Calvados, suivi d'un catalogue descriptif des Brachiopodes qu'elles renferment. (Tract.) 8vo. *Caen*, 1857.

——. Catalogue des Cirrhipèdes, des Mollusques et des Rayonnés recueillis par M. E. Déplanche, pendant la campagne de l'aviso à vapeur le Rapide, années 1854, 1855, 1856. (Tract.) 8vo. *Caen*, 1859.

——. Mémoire sur les Brachiopodes du Kelloway-Rock ou zone ferrugineuse du terrain Callovien dans le Nord-ouest de la France. (Tract.) 4to. *Caen*, 1859.

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——. Mémoire sur de nombreux ossements de Mammifères fossiles de la période géologique dit diluvienne, trouvés aux environs de Caen. 4to. *Caen*, 1861.

——. Note sur la présence du genre *Phorus* dans le Dévonien supérieur du Boulonnais. (Tract.) 8vo. *Caen*, 1862.

——. Note sur le développement du deltidium chez les Brachiopodes articulés. (Tract.) 8vo. *Paris*, 1862.

——. Etudes critiques sur des Brachiopodes nouveaux ou peu connes. (3me fascicule in duplicate.) (Tracts.) 8vo. *Caen*, 1863.

——. Notes Paléontologiques. Vol. i. 2 copies. 8vo. *Caen* and *Paris*, 1863–69.

——. Documents sur la Géologie de la Nouvelle-Calédonie, etc. (Tract.) 2 copies. 8vo. *Caen* and *Paris*, 1864.

——. Etudes sur les étages jurassiques inférieurs de la Normandie. 4to. *Paris* and *Caen*, 1864.

——. Recherches sur l'organisation du manteau chez les Brachiopodes articulés et principalement sur les spicules calcaires contenus dans son intérieur. (Tract.) 4to. *Paris* and *Caen*, 1864.

——. Le Naturaliste. Discours prononcé à la séance solennelle de rentrée des facultés de Droit, des Sciences, des Lettres et de l'Ecole préparatoire de Médecine et de Pharmacie, 1866. (Tract.) 8vo. *Caen*, 1866.

Deslongchamps (Eugène Eudes-). Note sur la position des arrière-narines dans les fœtus de Caïman à museau de Brochet. (Tract.) 8vo. *Caen*, 1870.

——. Le Jura Normande. Etudes paléontologiques des divers niveaux jurassiques de la Normandie. Livr. i.–ii. 4to. *Paris* and *Caen*, 1877–78.

——. See Hébert (Ed.), Orbigny (Alcide d'), Owen (Richard), and Suess (Eduard).

Deslongchamps (J. A. Eudes-). Note sur une tête de Crocodilien fossile récemment découverte aux environs de Caen. (Tract.) 8vo. *Caen*, 1844.

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——. Supplément à la notice sur des empreintes ou traces d'animaux existant à la surface d'une roche de grès, au lieu dit les Vaux-d'Aubin, près Argentan, département de l'Orne. (Tract.) 4to. *Caen*, 1856.

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Desmarest (Anselme Gaëtan). Mémoire sur les prismes qui se trouvent dans les couches horizontales de plâtre et de marnes des environs de Paris, etc. (Tract.) 4to. *Paris*, 1799.

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Desmier de St. Simon (Etienne Jules Adolphe), *Vicomte* d'Archiac. See Archiac (*Vicomte* d').

Des Moulins (Charles). Essai sur les Sphérulites qui existent dans les collections de MM. F. Jouannet . . . . . et C. Des Moulins, et considérations sur la famille à laquelle ces fossiles appartiennent. (Tract.) 8vo. *Bordeaux*, 1826.

Des Moulins (Charles). Premier mémoire sur les Echinides. Prodrome d'une nouvelle classification de ces animaux.
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——. Etudes sur les Echinides. 1re partie. 8vo. *Bordeaux*, 1835–37.

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Desnoyers (Jules). Notice sur le fossile à odeur de Truffes. (Tract.)
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——. See Agassiz (Louis), Cotteau (G.), and Studer (Bernhard).

—— and **Gressly** (A.). Etudes géologiques sur la Jura Neuchâtelois. 4to. *Neufchâtel*, 1859.

—— and **Loriol** (P. de). Echinologie Helvétique. Description des Oursins fossiles de la Suisse. 2 vols. 4to. *Wiesbaden* and *Paris*, 1868–73.

Desormeaux (—) and **Gervais** (Paul). Description d'un fœtus humain monstrueux devant former un genre à part sous le nom de *Pseudacéphale*. (Tract.) 4to. *Paris*, 1860.

Dessiou (Joseph Foss). Directions for navigating in and throughout the North Sea, etc. 8vo. *London*, 1816.

Desvignes (Thomas). See British Museum.

Dethier (—). Coup d'œil sur les anciens volcans éteints des environs de la Kill supérieure, etc. (Tract.) 8vo. *Paris*, 1803.

Detken (Alberto). Catalogo di libri sui vulcani e tremuoti vendibili in Napoli. (Tract.) 8vo. *Naples*.

De Vaux (A.). See Vaux (A. de).

Devèze de Chabriol (J. S.) and **Bouillet** (J. B.). Essai géologique et minéralogique sur les environs d'Issoire, département du Puy-de-Dôme, et principalement sur la Montagne de Boulade. Fol. *Clermont-Ferrand*, 1827.

Deville (Charles St.-Claire-). See Sainte-Claire Deville (Charles).

Devine (T.). Description of a new Trilobite from the Quebec group. (Tract.) 8vo. *Montreal*, 1863.

Dewael (Norbert Charles). Observations sur les formations tertiaires des environs d'Anvers, avec rapport de M. Nyst. (Tract.) 8vo. *Brussels*, 1853.

Dewalque (Gustave). Description du Lias de la province de Luxembourg. (Tract.) 8vo. *Liége*, 1857.

——. Observations critiques sur l'âge des Grès Liasiques du Luxembourg, avec une carte des environs d'Arlou. (Tract.) 8vo. *Brussels*, 1857.

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Dewalque (Gustave). Observations sur le terrain anthraxifère de la Belgique. (Tract.) 8vo. *Brussels*, 1863.

——. Sur la distribution des sources minérales en Belgique. (Tract.) 8vo. *Brussels*, 1864.

——. Coup d'œil sur la marche des sciences minérales en Belgique. (Tract.) 8vo. *Brussels*, 1870.

——. Rapport—Note sur les Cardinies rencontrées dans le bassin houiller de Liége; par R. Malherbe. (Tract.) 8vo. *Brussels*, 1871.

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Dickeson (Montroville W.) and **Brown** (Andrew). Report on the Cypress timber of Mississippi and Louisiana. (Tract.) 8vo. *Philadelphia*, 1848.

Dickinson (Joseph). On Modern and Scriptural Geology. (Tract.) 8vo. *Manchester*, 1864.

——. See REPORTS, PARLIAMENTARY. Mines.

Dickinson (Thomas). A narrative of the operations for the recovery of the public stores and treasure sunk in H.M.S. 'Thetis' at Cape Frio on the coast of Brazil, on the 5th December, 1830. 8vo. *London*, 1836.

Dickson (Samuel). The 'Destructive Art of Healing.' 4th edition. 8vo. *London*, 1856.

Dictionaries. DANISH and ENGLISH. New Pocket-dictionary of the English and Danish languages (Charles Tauchnitz). 12mo. *Leipzig*, no date.

See also RASK (E.), Grammar.

——. ENGLISH. New universal, etymological, technological, and pronouncing dictionary of the English language, embracing all the terms used in art, science, and literature. By John Craig. 2 vols. 8vo. *London*, 1848–59.

See also ROGET (Peter Mark). Thesaurus.

——. GERMAN and FRENCH. Dictionary, English, German, and French. Containing not only the English words in their alphabetical order . . . . but also their proper accent . . . idioms, and proverbs, by Mr. Christian Ludwig; now carefully revised . . . by John B. Rogler. 4th edition. 4to. *Leipzig*, 1791.

——. FRENCH and ENGLISH. New Dictionary in French and English, and English and French; combining the Dictionaries of Boyer and Deletanville. By D. Boileau and A. Picquot. New edition. 8vo. *London*, 1848.

——. GERMAN. Deutsches Bergwörterbuch von Heinrich Veith. 8vo. *Breslau*, 1871.

——. ——. Kunstwörter und Redensarten bey Bergwerken und Hütten-Arbeiten nach alphabetischer Ordnung. Neue Auflage. (Tract.) 8vo. *Helmstedt*, 1802.

See also GEHLER (Johann Samuel Traugott): Physikalisches Wörterbuch.

——. GERMAN and ENGLISH. Complete Dictionary of the English and German, and German and English Languages, containing all the words in general use. By J. G. Flügel. 3rd edition. 2 vols. 8vo. *Leipzig*, 1847.

——. ——. Christian Ludwig's teutschenglisches Lexikon, etc. 4th edition. 4to. *Leipzig*, 1789.

——. GREEK and ENGLISH. New Greek and English Lexicon; the words alphabetically arranged. By James Donnegan. 4th edition. 8vo. *London*, 1846.

——. ITALIAN and ENGLISH. Dizionario delle lingue Italiana ed Inglese, di Giuseppe Baretti. Preceduto da una grammatica delle due lingue. 8va edizione, corretta . . . da Carlo Thomson. 2 vols. 8vo. *London*, 1831.

Dictionaries. Latin and English. Thesaurus Linguæ Latinæ Compendiarius. Ainsworth's Latin Dictionary, . . . with numerous additions . . . by B. W. Beatson. Revised and corrected by W. Ellis. 8vo. *London*, 1830.

——. Russian and English. A new Pocket Dictionary of the English and Russian and Russian and English Languages. 12mo. *Leipzig*, no date.

——. Spanish and English. Dictionary of the Spanish and English Languages. By Mariano Velasquez de la Cadena. 8vo. *London*, 1862.

——. Swedish and English. New Pocket-Dictionary of the English and Swedish Languages (Charles Tauchnitz). 12mo. *Leipzig*.

See also May (A.), Grammar, and Hunter (Robert).

Dictionnaire des Sciences Naturelles, dans lequel on traite méthodiquement des différens êtres de la nature, considérés soit en eux-mêmes, d'après l'état actuel de nos connoissances, soit relativement à l'utilité qu'en peuvent retirer la médecine, l'agriculture, le commerce et les arts. Suivi d'une Biographie des plus célèbres Naturalistes. 65 vols. text and plates. 8vo. *Strasburg* and *Paris*, 1816–30.

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Dietrich (Philipp Friedrich von). Description des gîtes de minerai, des forges et des salines des Pyrénées. 4 vols. 4to. *Paris*, 1786–99.

——. See Ferber (J. J.).

Dilke (*Sir* Charles Wentworth). Catalogue of a collection of works on or having reference to the Exhibition of 1851. 8vo. Privately printed, 1855.

Dillwyn (Lewis Weston). A descriptive catalogue of recent shells arranged according to the Linnean method with particular attention to the synonymy. 2 vols. 8vo. *London*, 1817.

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——. Materials for a Fauna and Flora of Swansea and the neighbourhood. (Tract.) 8vo. *Swansea*, 1848.

——. See Lister (Martin).

Dimmock's Special Bibliography, No. 3. The Writings of Samuel Hubbard Scudder. Compiled and edited by George Dimmock. 8vo. *Cambridge, Mass.*, 1879.

Dittmar (Alphonse V.). Die *Contorta*-zone (Zone der *Avicula contorta*, Portl.), ihre Verbreitung und ihre organischen Einschlüsse. 8vo. *Münich*, *Brussels*, *Milan*, *Paris*, and *London*, 1864.

Dixon (Frederick). The Geology and Fossils of the Tertiary and Cretaceous formations of Sussex. 4to. *London*, 1850.

——. The Geology of Sussex; or the Geology and Fossils of the Tertiary and Cretaceous Formations of Sussex. New edition, revised and augmented by T. Rupert Jones. 4to. *Brighton*, 1878.

D'Halloy (J. J. d'Omalius d'). See Omalius (d'Halloy, J. J. d').

Dobree (Nicholas). Observations sur les Cartes—Observations on the Charts of the Islands of Guernsey, Alderney, Sark, Herm, and Jethou. 4to. *London*, 1786.

Dobrotvorsky (M. M.). **Аинско-Русскій Словарь.** Aino-Russian Vocabulary. 8vo. *Kasan*, 1875.

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——. Catalogue raisonné des produits volcaniques de l'Etna. [Pp. 144–525 of ' Mémoires sur les îles Ponces,' etc., with MS. title-page.] 8vo. *Paris*, 1788.

——. Abhandlung über das Erdbeben in Calabrien im Jahre 1783. (Tract.) 8vo. *Leipzig*, 1789.

——. Sur la Philosophie minéralogique, et sur l'espèce minéralogique. 8vo. *Paris*, 1801.

——. Essai sur la théorie des Volcans d'Auvergne. 8vo. *Clermont*, 1802.

——. See BREISLAK (Scipione).

Dölter (Cornelis). Die Vulcangruppe der pontinischen Inseln. (Tract.) 4to. *Vienna*, 1875.

——. Die Bestimmung der petrographisch wichtigeren Mineralien durch das Mikroskop. 8vo. *Vienna*, 1876.

D'Omalius (d'Halloy, J. J.). See OMALIUS D'HALLOY (J. J. d').

Domville (Silas). See DALE (Samuel).

Donaldson (T. L.), **Godwin** (G.), and **Smith** (C. H.). Remarks on Caen and Aubigny Stone, etc., by Luard, Beedham, and Co. ; also extracts from Papers and Reports. (Tract.) 8vo. *London*, 1850.

Donati (Vitaliano). Essai sur l'histoire naturelle de la Mer Adriatique, avec une lettre du Leonard Sesler sur une nouvelle espèce de plante terrestre, traduit de l'Italien, par P. de Hondt. 4to. *The Hague*, 1758.

Donnegan (James). See DICTIONARIES, Greek and English.

D'Orbigny (Alcide). See ORBIGNY (Alcide d').

Dorlhac (J.). Note sur les dépôts houillers de Brassac et de Laugeac, Haute-Loire. (Tract.) 8vo. *Lyons*, 1859.

Dorna (Alessandro). See TURIN, Regio Osservatorio.

Doubleday (E.). See BRITISH MUSEUM.

Doue (J. M. Bertrand Roux de). See BERTRAND-ROUX (DE DOUE) (J. M.).

Dougall (John). See TORFIÑO DE SAN MIGUEL (Vicente).

Doughty (C. M.). On the Jöstedal-Bræ Glaciers in Norway. (Tract.) 8vo. *London*, 1866.

Douglas (James). A dissertation on the antiquity of the earth, read at the Royal Society, May 12, 1785. Fol. *London*, 1785.

——. On the Ancient Barrows observable on the South Downs. (Tract.) 8vo. *Lewes*, 1818.

Douglas (John William) and **Scott** (John). The British Hemiptera. Vol. I. Hemiptera-Heteroptera. (Ray Society.) 8vo. *London*, 1865.

Douglass (James). Descriptio comparata musculorum corporis humani et quadrupedis. (Tract.) 8vo. *Leyden*, 1729.

Doull (Alexander). A Project for opening a North-west Passage between the Atlantic and Pacific Oceans, by means of a Railway on British Territory, etc. (Tract.) 8vo. *London*, 1852.

Dove (H. W.). Darstellung der Wärme-Erscheinungen durch fünftägige Mittel von 1782 bis 1855, mit besonderer Berücksichtigung strenger Winter. [Erster Supplement-Band, Abhandlungen der königlichen Akademie der Wissenschaften zu Berlin.] Fol. *Berlin*, 1856.

——. Ueber Eiszeit, Föhn und Scirocco. 8vo. *Berlin*, 1867.

——. Remarks on his recently constructed maps of the monthly Isothermal Lines of the Globe, etc.; with an Introductory Notice by Edward Sabine. (Tract.) 8vo. *London*, 1849.

Dove (John E.). Megaliths and Tumuli: their probable Eras, "Architects," and Purposes. (Tracts.) 4to. *London*, 1872.

Dowleans (A. M.). Official classified and descriptive catalogue of the contributions from India to the London Exhibition of 1862. 4to. *Calcutta*, 1862.

Dowler (Bennet). Contributions to the natural history of the Alligator (*Crocodilus mississippiensis*), with a Microscopical addendum. (Tract.) 8vo. *New Orleans*, 1846.

——. Tableaux, Geographical, Commercial, Geological, and Sanitary, of New Orleans. (Tract.) 8vo.

——. Natural Science in New Orleans. (Tract.) Fcap. page. *New Orleans*, 1854?

Downes (W.). The Fossils of the Culm-measure Limestones around Holcombe Rogus. (Tract.) 8vo. *Plymouth*, 1878.

Doyle (Patrick). A Contribution to Burman Mineralogy. (Tract.) 8vo. *Calcutta* (privately printed), 1879.

——. Indian Coal, and Coal Statistics. (Tract.) Newspaper slip, 1879.

——. Tin-mining in Larut. 8vo. *London*, 1879.

Doyne (W. T.). See REPORTS, COLONIAL: New Zealand.

Drach (S. M.). An easy Rule for Formulizing all Epicyclical Curves with one moving circle by the Binomial Theorem. (Tract.) 8vo. *London*, 1849.

Drake (B.). See BULLOCK (W.)

Dralet (—). Description des Pyrénées. 2 vols. 8vo. *Paris*, 1813.

Draparnaud (Jacques-Philippe-Raymond). Histoire naturelle des mollusques terrestres et fluviatiles de la France. 4to. *Paris*, 1805.

Draper (John W.). On the Use of a Secondary Wire as a measure of the Relative Tension of Electric Currents. (Tract.) 8vo. *London*, 1839.

Draper (Lyman C.). Madison, the Capital of Wisconsin. (Tract.) 8vo. *Madison*, 1857.

Drapiez (A.). Coup-d'œil minéralogique et géologique sur la province du Hainaut, Royaume des Pays-Bas. 4to. *Brussels*, 1823.

——. Notice sur l'établissement géographique de Bruxelles. (Tract.) 8vo. *Brussels*, no date.

Drasche (Richard von). Fragmente zu einer Geologie der Insel Luzon (Philippinen). Mit einem Anhange über die Foraminiferen der tertiären Thone von Luzon von F. Karrer. (Tract.) 4to. *Vienna*, 1878.

——. Die Insel Réunion (Bourbon) im indischen Ocean. Mit einem Anhange über die Insel Mauritius. 4to. *Vienna*, 1878.

——. See Toula (Franz).

Drayson (A. W.). On the cause, date, and duration of the last Glacial epoch of Geology. 8vo. *London*, 1873.

——. Cause of the supposed proper motion of the fixed Stars. A sequel to the 'Glacial Epoch.' 8vo. *London*, 1874.

Drée (Et. de). Catalogue des huit collections qui composent *son* Musée Minéralogique. 4to. *Paris*, 1811.

——. Catalogue [à vente] d'objets rares et précieux, . . qui faisaient partie de *son* Cabinet et Musée Minéralogique. (Tract.) 8vo. *Paris*, 1816.

——. Description des objets composant les 4 collections qui font partie de *son* Musée Minéralogique. (Tract.) 4to. *Paris*, 1816.

Dresser (C. L.). (Leeds Water Works, 1866.) An Examination of the Report of Mr. Filliter. (Tract.) 8vo. *Leeds*, 1866.

Dreux, fils (—). See Wiedman (—).

Drew (Frederic). The Jummoo and Kashmir Territories. A geographical account. 8vo. *London*, 1875.

——. See Surveys: England and Wales.

Drew (John). See Bullar (John).

Drian (Aimé). Minéralogie et Pétrologie des environs de Lyon, disposées suivant l'ordre alphabétique. 8vo. *Lyons*, 1849.

——. Note sur une roche pyroxénique du département du Rhône. (Tract.) 8vo. *Lyons*, 1853.

Drummond (James). The Comrie Earthquakes. 8vo. *Perth* and *Crieff*, 1875.

Drummond (J.) See Bischof (Gustav).

Dryander (Jonas). Catalogus bibliothecæ historico-naturalis Josephi Banks. Tom. IV. Mineralogi. 8vo. *London*, 1799.

Dublin. Memorandum of objects of Geological Interest in the vicinity of Dublin. (Tract.) 8vo. *Dublin*, 1835.

Dubois (Charles). An Epitome of Lamarck's Arrangement of Testacea. 8vo. *London*, 1824.

Dubourdieu (John). Statistical Survey of the County of Antrim. 8vo. *Dublin*, 1812.

Du Bois de Montpéreux (Frédéric). Conchiologie fossile et aperçu géognostique des formations du plateau Wolhyni-Podolien. (Tract.) 4to. *Berlin*, 1831.

Dubreuil (—). See SERRES (Marcel de).

Ducatel (J. T.). See SURVEYS: MARYLAND.

Duchassaing de Fonbressin (Pierre). Observations sur les formations modernes de l'île de la Guadeloupe. (Tract.) 8vo. *Paris*, 1855.

—— and **Michelotti** (Giovanni). Mémoire sur les Coralliaires des Antilles. 4to. *Turin*, 1860.

Duchesne (aîné). Compte rendu du voyage fait en Angleterre pour y examiner diverses collections d'estampes, publiques ou particulières. (Tract.) 8vo. *Paris*, 1824.

——. Essai sur les nielles, gravures des orfèvres Florentins du XV^e^. siècle. Prospectus. (Tract.) 8vo. *Paris*, 1824.

Duckworth (Henry). Artefacta antiquissima: Geology in its relation to primeval Man. 8vo. *Liverpool*, 1860.

Duc-Lachapelle (A. J. P. C.). Mémoire sur la distance solsticiale du Soleil au zénith dans le Tropique du Cancer, en 1796 et 1797. (Tract.) 4to.

——. Observation du Solstice d'été de l'an 9 (1801), faite à Montauban, département du Lot. (Tract.) 4to. *Paris*, 1801.

Duclos (P. L.). Catalogue des livres relatifs aux Sciences naturelles, particulièrement à la Conchyliologie . . . qui composaient *sa* Bibliothèque. (Tract.) 8vo. *Paris*, 1854.

Ducrotay de Blainville (H. M.). See BLAINVILLE (H. M. Ducrotay de).

Dudley Obsevatory. Defence of Dr. Gould, by the Scientific Council. 3rd edition. (Tract.) 8vo. *Albany*, 1858.

See also GOULD (Benjamin Apthorp, jun.).

Duff (Joseph). See KIRKBY (James W.).

Duff (Patrick). Sketch of the Geology of Moray. 8vo. *Elgin*, 1842.

——. Geology of Moray. (Tract.) 8vo. *Elgin*, 1860?

Dufrénoy (Pierre Armand). Biographical Notice. See ARCHIAC (A. d').

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——. Des caractères particuliers du terrain de Craie sur la pente méridionale des Pyrénées. (Tract.) 8vo. *Paris*, 1831.

——. Mémoire sur la relation des Ophites, des Gypses, et des sources salées des Pyrénées, etc. (Tract.) 8vo. *Paris*, 1832.

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——. Mémoire sur la position géologique des principales mines de fer de la partie orientale des Pyrénées, etc. (Tract.) 8vo. *Paris*, 1834.

——. Description de la Greenovite. (Tract.) 8vo. *Paris*, 1840.

——. Rapport sur les mines, les opérations metallurgiques, les produits minéraux et les carrières, fait à la commission française du jury international de l'Exposition Universelle de Londres. 8vo. *Paris*, 1854.

——. Discours prononcé aux funérailles de M. de Bonnard.

——. See BRONGNIART (Alexandre) and LAMBERT (Ed.).

4to. *Paris*, 1857.

Dufrénoy (Pierre Armand) and **Elie de Beaumont** (L.). Voyage Métallurgique en Angleterre. 8vo. *Paris*, 1827.
—— ——. Mémoires pour servir à une description géologique de la France. 4 vols. 8vo. *Paris*, 1830–38.
—— ——. Mémoire sur les groupes du Cantal, du Mont-Dore, et sur les soulèvemens auxquels ces montagnes doivent leur relief actuel. (Tract.) 8vo. *Paris*, 1833.
—— ——. Explication de la Carte Géologique de la France. 2 vols. 2 copies. 4to. *Paris*, 1841–48.
——. Rapport sur un mémoire de M. Daubrée, ayant pour titre: Sur la production artificielle de quelques espèces minérales cristallines, particulièrement de l'oxyde d'étain, de l'oxyde de titane et du quartz. (Tract.) 2 copies. 8vo. *Paris*, 1850.
Dufresne (L.) and **Léman** (S.). Notice d'une nombreuse et magnifique collection de Coquilles . . . . classée d'après le système des animaux sans vertèbres de M. de Lamarck. (Tract.) 4to. *Paris*.
Du Graty (Alfred M.). Mémoire sur les productions minérales de la Confédération Argentine. (Tract.) *Paris*, 1855.
Dujardin (F.). Recherches sur les organismes inférieurs. (Tract.) 8vo. *Paris*, 1835.
—— and **Hupé** (H.). Histoire naturelle des Zoophytes Echinodermes. 8vo. *Paris*, 1862.
Dulac (Alleon). Mémoires pour servir à l'histoire naturelle des provinces de Lyonnais, Forez et Beaujolais. 2 vols. 8vo. *Lyons*, 1765.
Dumas (Jean Baptiste). Eloge de MM. Alexandre Brongniart et Adolphe Brongniart. (Tract.) 4to. *Paris*, 1877.
Duméril (Auguste and C.). See MUSEUMS: PARIS.
Dumont (André H.). Mémoire sur la constitution géologique de la Province de Liége. (Tract.) 2 copies. 4to. *Brussels*, 1832.
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——. Rapport sur la carte géologique de la Belgique. (Tract.) 8vo. *Brussels*, 1850.
——. Mémoire sur les terrains triasique et jurassique de la Province de Luxembourg. (Tract.) 4to. *Brussels*, 1842.
——. Sur la valeur du caractère paléontologique en géologie. (Tract.) 8vo. *Brussels*, 1847.
——. Mémoire sur les terrains Ardennais et Rhénan de l'Ardenne, du Brabant et du Condroz. 4to. *Brussels*, 1847–48.
——. Note sur la position géologique de l'argile Rupelienne, et sur le synchronisme des formations tertiaires de la Belgique, de l'Angleterre et du nord de la France. (Tract.) 8vo. *Brussels*, 1851.
——. Note sur l'emploi des caractères géometriques resultant des mouvements lents du sol, pour établir le synchronisme des formations géologiques. (Tract.) 8vo. *Brussels*, 1852.
——. Note sur la division des terrains en trois classes, d'après leur mode de formation, et sur l'emploi du mot *Geysérien* pour désigner la troisième de ces classes. (Tract.) 8vo. *Brussels*, 1852.

Dumont (André H.). Mémoires sur les terrains crétacé et tertiaires préparés . . . pour servir à la description de la carte géologique. Edités par Michel Mourlon. 3 vols. 8vo. *Brussels*, 1878–79.

—— and **Koninck** (L. de). Rapports sur un mémoire de M. Nyst, en réponse à la question suivante : Faire la description des coquilles et des polypiers fossiles des terrains tertiaires de Belgique, et donner l'indication précise des localités et des systèmes de roches dans lesquels ils se trouvent. (Tract.) 4to. *Brussels*, 1843.

Dumont (Gustave). See Liége.

Dumortier (Eugène). Note sur quelques fossiles peu connus ou mal figurés du Lias moyen. (Tract.) *Lyons*, 1857.

——. Etudes paléontologiques sur les dépôts jurassiques du bassin du Rhône. 4 parts. 8vo. *Paris*, 1864–74.

——. Sur quelques gisements de l'Oxfordien inférieur de l'Ardèche. 8vo. *Paris* and *Lyons*, 1871.

——. See Falsan (A.).

—— and **Fontannes** (F.). Description des Ammonites de la zone à *Ammonites tenuilobatus* de Crussol, et de quelques autres fossiles jurassiques nouveaux ou peu connus. 8vo. *Lyons* and *Paris*, 1876.

Duncan (Peter Martin). A description of, and remarks upon, some fossil Corals from Sinde. (Tract.) 8vo. *London*, 1864.

——. On the fossil Corals of the West-Indian Islands. Parts i.–iii. 8vo. *London*, 1863–64.

——. A description of some fossil Corals from the South-Australian Tertiaries. (Tract.) 8vo. *London*, 1865.

——. On some spaces, formerly occupied by selenite, in the Lower Eocene Clays of the London Basin, etc. (Tract.) 8vo. *London*, 1865.

——. A monograph of the British Fossil Corals. Second series. Being a Supplement to the 'Monograph of the British Fossil Corals,' by MM. Milne Edwards and Haime. (Palæontographical Society.) 4to. *London*, 1866–72.

——. The histology of the reproductive organs of the Irid (*Tigridia conchiflora*), with a description of the phenomena of its impregnation. (Tract.) 8vo. *London*, 1866.

——. On the genera *Heterophyllia*, *Battersbyia*, *Palæocyclus*, and *Asterosmilia* ; the anatomy of their species, and their position in the classification of the Sclerodermic Zoantharia. (Tract.) 4to. *London*, 1867.

——. First Report on the British Fossil Corals. (Tract.) 8vo. *London*, 1868.

——. On the Fossil Corals (*Madreporaria*) of the West-Indian Islands. (Tract.) 8vo. *London*, 1868.

——. On the Madreporaria dredged up in the expedition of H.M.S. 'Porcupine.' (Tract.) 8vo. *London*, 1870.

——. Third Report on the British Fossil Corals. (Tract.) 8vo. *London*, 1871.

——. On the structure and affinities of *Guynia annulata*, Dunc., with remarks upon the persistence of Palæozoic Types of Madreporaria. (Tract.) 4to. *London*, 1871.

——. Description of the Madreporaria dredged up during the expedition of H.M.S. 'Porcupine' in 1869–1870. Parts i. and ii. (Tracts.) 4to. *London*, 1871–78.

Duncan (Peter Martin). Description of some fossil Corals and Echinoderms from the South-Australian Tertiaries. (Tract.) 8vo. *London*, 1874.

——. An abstract of the Geology of India. Fol. *London*, 1875.

——. ——. 2nd edition. Fol. *London*, 1876.

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——. A monograph of the Fossil Corals and Alcyonaria of Sind, collected by the Geological Survey of India. 4to. *London*, 1880.

——. On a part of the Life-cycle of *Clathrocystis æruginosa* (Kutzing's species). Tract. 8vo. *London*, 1880.

——. See Cassell's Natural History, Griffith (J. W.), and Nelson (R. J.).

—— and **Jenkins** (Henry Michael). On *Palæocoryne*, a genus of tubularine Hydrozoa from the Carboniferous Formation. (Tract.) 3 copies. 4to. *London*, 1869.

—— and **Thomson** (James). On *Cyclophyllum*, a new genus of the Cyathopyllidæ, with remarks on the genus *Aulophyllum*. (Tract.) 8vo. *London*, 1867.

Dundonald (Earl of). On the use, properties, and products of the Bitumen and Petroleum of Trinidad. (Tract.) 4to. *London*, 1857.

Dunker (Wilhelm). Monographie der norddeutschen Wealdenbildung. Ein Beitrag zur Geognosie und Naturgeschichte der Vorwelt. Nebst einer Abhandlung über die in dieser Gebirgsbildung bis jetzt gefundenen Reptilien, von Hermann von Meyer. 2 copies. 4to. *Brunswick*, 1846.

——. Commentatio de *Septiferis*, genere Mytilaceorum, et de *Dreisseniis*. 4to. *Marburg*, 1855.

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——. See Koch (C. L. von).

Dunn (E. J.). Report on the Stormberg Coal-fields (Cape of Good Hope). (Tract.) 4to. *Cape Town*, 1878.

Dunn (Matthias). See Reports, Parliamentary. Mines.

Du Noyer (George V.). On the bituminous coal of the Arigna district, counties of Roscommon and Leitrim. (Tract.) 8vo. *London*, 1863.

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DuPetit-Thouars (Aubert Aubert-). See DERHAM (W.).

Du Ponceau (Peter S.). A dissertation on the nature and character of the Chinese system of writing; to which are subjoined a vocabulary of the Cochinchinese language by Joseph Morrone; with references to the plates etc. by M. de la Palun. (Being vol. ii. of the Transactions of the Historical and Literary Committee of the American Philosophical Society.) 8vo. *Philadelphia*, 1838.

Dupont (Edouard). Sur le Calcaire Carbonifère de la Belgique et du Hainaut Français. (Tract.) 2 copies. 8vo. *Brussels*, 1863.

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——. See BENEDEN (P. J. van).

Dupuy (D.). Histoire naturelle des Mollusques terrestres et d'eau douce qui vivent en France. 4to. *Paris*, 1847–52.

——. Essai sur les Mollusques terrestres et fluviatiles et leurs coquilles vivants et fossiles du département du Gers. 8vo. *Auch* and *Paris*, 1863.

Durand (H. M.). Specimens of the Hippopotamus and other Fossil genera of the Sub-Himálayas in the Dádúpur Collection. (Tract.) 4to. *Calcutta*, 1836.

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——. (Voyages de la Commission scientifique du Nord, en Scandinavie, en Laponie, au Spitzberg et aux Feröe pendant les années 1838, 1839 et 1840, sur la corvette 'La Recherche.') Géologie, Minéralogie, Métallurgie et Chimie. 8vo. *Paris*, 1844.

——. Etudes sur la limite des neiges perpétuelles. (Tract.) 2 copies. 8vo. *Paris*, 1847.

——. See ELIE DE BEAUMONT (L.).

Dutton (Francis). South Australia and its mines, with an historical sketch of the Colony. 8vo. *London*, 1846.

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——. Geological Text-book, for aiding the study of North-American geology. 2nd edition. 8vo. *Albany* and *New York*, 1832.

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Ebel (Johann Gottfried). Ueber den Bau der Erde in dem Alpen-Gebirge, etc. 2 vols. 8vo. *Zurich*, 1808.

——. Anleitung, auf die nützlichste und genussvollste Art die Schweitz zu bereisen. 4 vols. 8vo. *Zurich*, 1809–10.

Ebray (Théophile). Etudes géologiques sur le département de la Nièvre. 1er Fascicule. 2 copies. 8vo. *Paris*, 1858.

——. Etudes paléontologiques sur le département de la Nièvre. Chap. v. Remarques sur l'appareil apicial de quelques échinodermes et sur leur classification. Chap. vi. Sur les prototypes des Scaphites et des Hamites. Pp. 53–64. (Tract.) 8vo.

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Eck (Heinrich). Ueber die Formationen des bunten Sandsteins und des Muschelkalks in Oberschlesien und ihre Versteinerungen. (Tract.)
8vo. *Berlin*, 1865.

——. Karte und Profile zur geologischen Beschreibung von Rüdersdorf und Umgegend. 4to. *Berlin*, 1872.

Edinburgh Encyclopædia, conducted by David Brewster. Vol. VII. part 1.
4to. *Edinburgh*, 1813.

Edinburgh Gazetteer, or Geographical Dictionary. 6 vols.
8vo. *London*, 1827.

Edinburgh Observatory. Astronomical Observations made at the Royal Observatory, Edinburgh, by C. P. Smyth. Vol. xi., for 1849–54. 4to. *Edinburgh*, 1857.

Education. Minutes of the Committee of Council on Education: with Appendices. 1840–41. 8vo. *London*, 1841.

Edwards (Alphonse Milne). Mémoire sur la distribution géologique des Oiseaux fossiles, et description de quelques espèces nouvelles. (Tract.) 8vo. *Paris*, 1863.

——. Recherches anatomiques et paléontologiques pour servir à l'histoire des Oiseaux fossiles de la France. Text and Plates. 3 vols. 4to. *Paris*, 1867–74.

Edwards (Edward). A Letter to Benjamin Hawes, Esq., M.P., being strictures on the "Minutes of Evidence" taken before the Select Committee on the British Museum: with an Appendix, containing heads of inquiry respecting the improvement of the Museum. (Tract.) 8vo. *London*, 1836.

Edwards (Frederic E.). A monograph of the Eocene Mollusca, or descriptions of shells from the older Tertiaries of England. (Palæontographical Society.) 4to. *London*, 1849–58.

Edwards (George). Elements of Fossilogy; or, An arrangement of fossils into Classes, Orders, Genera, and Species, with their Characters. 8vo. *London*, 1776.

Edwards (Henri Milne). Elémens de Zoologie. 8vo. *Paris*, 1834.

——. Histoire naturelle des Coralliaires ou polypes proprement dits. 3 vols. and Atlas (large 8vo). 8vo. *Paris*, 1857.

——. Note sur les résultats fournis par une enquête relative à l'authenticité de la découverte d'une mâchoire humaine et de haches en silex, dans le terrain diluvien de Moulin-Quignon. (Tract.) 2 copies. 4to. *Paris*, 1863.

—— and **Comte** (Achille). Cahiers d'histoire naturelle. 2e édition. 7e cahier, Géologie. 12mo. *Paris*, 1838.

—— and **Haime** (Jules). A Monograph of the British Fossil Corals. (Palæontographical Society.) 4to. *London*, 1850–54.

See also Duncan (P. M.).

—— ——. Recherches sur la structure et la classification des Polypiers récents et fossiles. 1e partie. 8vo. *Paris*, 1848–49.

—— ——. Monographie des Polypiers fossiles des terrains paléozoïques, précédée d'un tableau général de la classification des Polypes. 4to. *Paris*, 1851.

——. See Brongniart (Alexandre).

Edwards (Morton). A guide to modelling in clay and wax, and for terra cotta, bronze and silver chasing and embossing, carving in marble and alabaster, moulding and casting in plaster of paris, or sculptural art made easy for beginners. (Tract.) 8vo. *London*, 1879.

Edwards (W. T.) and **Colin** (Prof.). Mémoire de physiologie agricole sur la végétation des céréales sous de hautes températures. (Tract.) 8vo. *Versailles*, 1835.

Eells (M.). The Twana Indians of the Skokomish reservation in Washington Territory. (Tract.) 8vo. *Washington*, 1877.

Eenens (—). Mémoire sur la fertilisation des Landes de la Campine et des Dunes. (Tract.) 8vo. *Brussels*, 1849.

Egan (Thomas). An experimental inquiry into the nature of gravelly and calculous concretions in the human subject, etc. (Tract.) 4to. *Dublin*, 1805.

Egerton (Sir Philip de Malpas Grey-). On certain peculiarities in the cervical vertebræ of the *Ichthyosaurus*, hitherto unnoticed. (Tract.) 4to. *London*, 1836.

——. Catalogue of Fossil Fish in the Collections of Lord Cole and Sir Philip Egerton. (Tract.) 2 copies. 8vo. *Chester*.

——. A systematic and stratigraphical catalogue of the fossil fish in the Cabinets of Lord Cole and Sir Philip Grey Egerton: together with an alphabetical and stratigraphical catalogue of the same species, with reference to their published figures and descriptions. (Tract.) 2 copies. 4to. *London*, 1837.

——. Fossil fish in the Collections of the Earl of Enniskillen and Sir Philip Grey Egerton. (Tract.) 4to. No date.

——. A notice on the occurrence of Triassic fishes in British strata. (Tract.) 8vo. *London*, 1841.

——. On *Chondrosteus*, an extinct genus of the Sturionidæ, found in the Lias formation at Lyme Regis. (Tract.) 8vo. *London*, 1858.

——. See Morris (John) and Surveys, Great Britain.

Eggenberger (Ferdinánd). Magyar Tudományos Akademia által kiadott Nyomtatványok Lajstroma. (Tract.) 8vo. *Pesth*, 1862.

Egger (Joseph Georg). Die Foraminiferen der Miocän-Schichten bei Ortenburg in Nieder-Bayern. (Tract.) 8vo. *Stuttgart*, 1857.

——. Der Jura-Kalk bei Ortenburg und seine Versteinerungen. (Tract.) 8vo. *Passau*, 1858.

——. Die Ostrakoden der Miocän-Schichten bei Ortenburg in Nieder-Bayern. (Tract.) 8vo. *Stuttgart*, 1858.

Egleston (T.). Catalogue of minerals, with their formulas, etc., prepared for the Smithsonian Institution. (Smithsonian Miscellaneous Collections, 156.) (Tract.) 8vo. *Washington*, 1863.

Ehrenberg (Christian Gottfried). Biographical notice. See Hanstein (Johann).

——. Ueber die Dysodil genannte Mineralspecies, als ein Product aus Infusorienschalen. (Tract.) 8vo. *Leipzig*, 1839.

——. Ueber jetzt wirklich noch zahlreich Lebende Thier-Arten der Kreideformation der Erde. (Tract.) 8vo. *Berlin*, 1839.

——. Notices of American Infusoria. (Tract.) 8vo. *London*, 1842.

——. Erweiterung seiner Mittheilungen über jetztlebende Organismen der Kreide. 8vo. *Berlin*, 1842.

——. Mikrogeologie. Das Erden und Felsen schaffende Wirken des unsichtbar kleinen selbstständigen Lebens auf der Erde. Fol. *Leipzig*, 1854.

——. Ueber das organische Leben des Meeresgrundes in bis 10800 und 12000 Fuss Tiefe. (Tract.) 8vo. *Berlin*, 1854.

——. Ueber eine auf der Insel Ischia jüngst beobachtete, zur Erläuterung einer ungarischen aus Kieselorganismen bestehenden Felsart dienende Wirkung heisser Quellen. (Tract.) 8vo. *Berlin*, 1858.

Ehrenberg (Christian Gottfried). Ueber machtige Gebirgs-Schichten vorherrschend aus mikroskopischen Bacillarien unter und bei der Stadt Mexiko. 4to. *Berlin*, 1869.

——. Die Sicherung der Objectivität der selbstständigen mikroskopischen Lebensformen und ihrer Organisation durch eine zweckmässige Aufbewahrung. (Tract.) 8vo. *Berlin*, 1875.

——. Forsetzung der mikrogeologischen Studien als Gesammt-Uebersicht der mikroscopischen Paläontologie gleichartig analysirter Gebirgsarten der Erde, mit specieller Rücksicht auf den Polycystinen-Mergel von Barbados. 4to. *Berlin*, 1875.

Ehrhardt (Balthasar). De Belemnitis Suevicis dissertatio. 2nd edition. 2 copies. 4to. *Augsburg*, 1727.

Ehrlich (Carl). Ueber die nordöstlichen Alpen. (Tract.) 8vo. *Lintz*, 1850.

——. Geognostische Wanderungen im Gebiete der nordöstlichen Alpen. (Tract.) 8vo. *Lintz*, 1852.

——. ——. 2nd edition. 8vo. *Lintz*, 1854.

Eichwald (Eduard von). Biographical notice. See Walther (Chr. Fr.)

——. Naturhistorische Skizze von Lithauen, Volhynien und Podolien, in geognostisch-mineralogischer, botanischer und zoologischer Hinsicht. 2 copies. 4to. *Wilna*, 1830.

——. Die Urwelt Russlands durch Abbildungen erläutert. [Part in duplicate.] 4to. *St. Petersburg*, 1840.

——. Sur le système Silurien de l'Esthonie. (Tract.) 8vo. *St. Petersburg*, 1840.

——. Ueber Ichthyosauren und Ceratiten Russlands. (Tract.) 2 copies. *St. Petersburg*, 1842.

——. Dritter Nachtrag zur Infusorienkunde Russlands nebst einer geologischen Einleitung über Esthland und die nahgelegnen Inseln. 8vo. *Moscow*, 1852.

——. Zur Naturgeschichte des kaspischen Meeres. (Tract.) 4to. *Moscow*, 1855.

——. Lethæa Rossica, ou Paléontologie de la Russie. 5 vols. 8vo; Plates, 3 vols., 4to. *Stuttgart*, 1855–61.

——. Die Lethæa Rossica und ihre Gegner. 1er & 2e Nachtrag. (Tracts.) 8vo. *Moscow*, 1868–69.

——. Der Grünsand in der Umgegend von Moskwa. (Tract.) 8vo. *Moscow*, 1862.

——. Einige Bemerkungen über die geognostischen Karten des europäischen Russlands. (Tract.) 2 copies. 8vo. *Moscow*, 1865.

——. Die *Rhytina borealis* und der *Homocrinus dipentas* in der Lethæa Rossica. (Tract.) 8vo. *Moscow*, 1866.

——. Объ Открытіяхъ—On Coal, Graphite, and Subterraneous Heat. (Tract.) 8vo. *Moscow*?, 1866?

——. Ueber die neocomschichten Russlands. (Tract.) 8vo. *Berlin*, 1866.

——. Beitrag zur Geschichte der Geognosie und Paläontologie in Russland. (Tract.) 8vo. *Moscow*, 1867.

——. Nils von Nordenskiöld und Alexander von Nordmann nach ihren Leben und Werken. 2 copies. 8vo. *St. Petersburg*, 1870.

Eisenlohr (Otto). Geognostische Beschreibung des Kaiserstuhls bei Freiberg im Breisgau. (Tract.) 8vo. *Karlsruhe*, 1829.

Ekman (F. L.). See IGELSTRÖM (L. I.).

Elie de Beaumont (Jean Baptiste Arneaud Louis Léonce). Biographical notice. See DAUBRÉE (A.).—Notice of his works. See SAINTE-CLAIRE DEVILLE (Charles).

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——. ——. Reprint. (Tract.) 8vo. *Paris*, 1834.

——. Recherches sur quelques-unes des révolutions de la surface du Globe. 8vo. *Paris*, 1829.

——. Researches on some of the Revolutions which have taken place on the Surface of the Globe, etc. (Tract.) 8vo. *London*, 1831.

——. Instructions pour les géologues de l'expédition qui se rend dans le Nord de l'Europe. (Tract.) 4to. *Paris*, 1838.

——. Instructions pour l'exploration géologique de l'Algérie. (Tract.) 4to. *Paris*, 1838.

——. Rapport sur un mémoire de M. Durocher, intitulé : Observations sur le phénomène diluvien dans le nord de l'Europe. (Tract.) 4to. *Paris*, 1842.

——. Remarques sur deux points de la théorie des Glaciers, etc. (Tract.) 8vo. *Paris*, 1842.

——. Rapport sur un mémoire de M. Alcide d'Orbigny, intitulé : Considérations générales sur la Géologie de l'Amérique méridionale. (Tract.) 2 copies. 4to. *Paris*, 1843.

——. Rapport sur un mémoire de M. F. de Castelnau, relatif au Système Silurien de l'Amérique septentrionale. (Tract.) 2 copies. 4to. *Paris*, 1843.

——. Leçons de Géologie pratique, professée au Collége de France pendant l'année scolaire 1843–1844. 2 vols. *Paris* and *Strasburg*, 1845–49.

——. Rapport sur un mémoire de M. P. de Tchihatcheff, relatif à la constitution géologique de l'Altaï. (Tract.) 4to. *Paris*, 1845.

——. Note relative à l'une des causes présumables des Phénomènes Erratiques. (Tract.) 8vo. *Paris*, 1847.

——. Note sur les Emanations Volcaniques et Metallifères. (Tract). 8vo. *Paris*, 1847.

——. Note sur les systèmes de montagnes les plus anciens de l'Europe. (Tract.) 8vo. *Paris*, 1847.

Elie de Beaumont (Jean Baptiste Arneaud Louis Léonce). Note sur les terrains compris entre le grès vert et le calcaire grossier. (Tract.) 8vo. *Paris*, 1847.

——. Notice sur les systèmes de montagnes. 3 vols. 12mo. *Paris*, 1852.

——. Tableau des données numériques qui fixent 159 cercles du réseau pentagonal. (Tract.) 4to. *Paris*, 1863.

——. Rapport sur le progrès de la stratigraphie. 8vo. *Paris*, 1869.

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—— —. Rapport sur un mémoire de M. Jules Itier, intitulé: Notice géologique sur la formation néocomienne dans le département de l'Ain, et sur son étendue en Europe. (Tract.) 4to. *Paris*, 1842.

—— —. Rapport sur un mémoire de M. Jules Marcou, relatif à la classification des chaînes de montagnes d'une partie de l'Amérique du Nord. (Tract.) 4to. *Paris*, 1855.

——. See Brongniart (Alexandre), Dufrénoy (P. A.), Lambert (Ed.), Leymérie (Alexandre), Prévost (Constant), Sismonda (Angelo), and Vogt (Carl).

—— and **Beudant** (F. L.). [Abstract of] The Comparative Extent of Land and Sea during the Jurassic and Cretaceous Epochs. (Tract.) 8vo. *London*, 1843.

Ellesmere (Earl of). Address to the Royal Geographical Society of London, delivered at the Anniversary Meeting, May 1854. (Tract.) 8vo. *London*, 1854.

Ellet (C.). Report on the Improvement of the Navigation across the bars at the mouths of the Mississippi river. (Tract.) 8vo. *Washington*, 1851.

Elliot (Henry W.). See Surveys: United States.

Elliott (Stephen). [Review of a] Report on the Geology of North Carolina, conducted under the direction of the Board of Agriculture. By Denison Olmsted. (Tract.) 8vo. 1828.

Ellis (John). Essai sur l'histoire naturelle des Corallines et d'autres productions marines du même genre. 4to. *The Hague*, 1756.

——. See Solander (Daniel).

Emery (Rush). See Surveys: Iowa.

Emmerling (Ludwig August). Lehrbuch der Mineralogie. Band i. Th. 1, and Band ii. Th. 1. 2 vols. 8vo. *Giessen*, 1799–1802.

Emmons (Ebenezer). The Taconic System; based on observations in New York, Massachusetts, Maine, Vermont, and Rhode Island. (Tract.) 4to. *Albany*, 1844.

——. Geological Observations. (Tract.) 8vo.

——. Geology of the Montmorenci. (Tract.) 8vo.

——. American Geology, containing a statement of the Principles of the Science. Part IV. 8vo. *Albany*, 1857.

——. Manual of Geology. 2nd edition. 8vo. *New York*, 1860.

——. See New York (Natural History of).

Emmons (S. F.). The Volcanoes of the United States Pacific Coast. (Tract.) 8vo. *New York*, 1877.

——. See Surveys: United States.

Emmrich (Hermann Friedrich). De Trilobitis. Dissertatio petrefactologica, etc. (Tract.) 8vo. *Berlin*, 1839.

Emory (William H.). See Fremont (J. C.) and Surveys: United States.

Encyclopédie Méthodique, ou par ordre des Matières. Histoire Naturelle des Vers. Tom. I. Par M. Bruguière. 4to. *Paris*, 1792.

——. Géographie physique. Tom. I.–IV. Par M. Desmarest. 4to. *Paris*, 1795–1811.

Endlich (F. M.). Catalogue of Minerals found in Colorado. (Tract.) 8vo. *Washington*, 1878.

——. On the Erupted Rocks of Colorado. (Tract.) 8vo. *Washington*, 1878.

Engelhardt (Christian Moritz). Das Monte-Rosa- und Matterhorn-(Mont-Cervin) Gebirg, aus der Inseite seines Erhebungsbogens gen Nord; seine Ausläufer und Umgrenzung, besonders der Saasgrat mit dem Mischabeldom über dem Gletscherkrater von Fee. (Tract.) 8vo. *Paris* and *Strasburg*, 1852.

Engelhardt (Conrad). Denmark in the Early Iron Age. 4to. *London*, 1866.

Engelhardt (Hermann). Flora der Braunkohlen-formation im Königreich Sachsen. 4to. *Leipzig*, 1870.

Engelhardt (Moritz von). Geognostische Untersuchungs-Methode. 8vo. *Riga* and *Dorpat*, 1817.

——. Geognostischer Umriss von Finnland. [Darstellungen aus dem Felsgebäude Russlands, 1e Lieferung.] (Tract.) Fol. *Berlin*, 1820.

—— and **Raumer** (Karl von). Geognostische Versuche. (Tract.) 8vo. *Berlin*, 1815.

—— ——. Geognostische Umrisse von Frankreich, Grossbrittannien, einem Theile Teutschlands und Italiens. 4to. *Berlin*, 1816.

Engelmann (Wilhelm). Bibliotheca Historico-Naturalis. Verzeichniss der Bücher über Naturgeschichte welche in Deutschland, Scandinavien, Holland, England, Frankreich, Italien und Spanien in den Jahren 1700–1846 erschienen sind. 1er Band. 8vo. *Leipzig*, 1846.

——. See Carus (J. Victor).

Engelspach-Larivière (A.). Essai géognostique sur les environs de Saint-Pétersbourg. 8vo. *Brussels*, 1825.

——. Description géognostique du Grand-Duché de Luxembourg. 2 copies. 4to. *Brussels*, 1828.

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Engeström (Gustav von). Guide du voyageur aux carrières et mines de Suède. 8vo. *Stockholm*, 1796.

——. See Cronstedt (Axel Fredric).

England. Levels of Canals, &c. in the south of England. (Tract.) Fcap. fol. *Manuscript.*

Englefield (Sir Henry C.). The most expeditious method of determining altitudes, &c. (Tract.) 8vo. *London*, 1811.

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—— ——. Review of their 'Picturesque beauties . . . and geological phenomena of the Isle of Wight.' (Tract.) 8vo. *Edinburgh*, 1818.

Engler (Adolf). Versuch einer Entwicklungsgeschichte der Pflanzenwelt, insbesondere der Florengebiete seit der Tertiärperiode. 1 Theil. 8vo. *Leipzig*, 1879.

Engler (Bernhard von). See Tylor (Alfred).

English (Henry). The Mining Almanack for 1849–1851. 3 vols. 8vo. *London*, 1849–51.

English Cyclopædia. Natural History or second division. Supplement. By Charles Knight. 4to. *London*, 1870.

Enniskillen (Earl of, formerly Lord Cole). Alphabetical catalogue of the type-specimens of fossil fishes in the collection of the Earl of Enniskillen. 8vo. *London*, 1869.

Enys (John S.). Remarks on the intensity and quantity of the junction changes of Sussex and Cornwall, considered as mining-districts. 8vo. *London*, 1863.

Erdmann (Axel). Dannemora Jernmalmsfält i Upsala Län. 8vo. *Stockholm*, 1851.

——. Vägledning till Bergarternas Kännedom, med särskild hänsyn till Sveriges Geologiska Förhållanden och med fästadt afseende tillika på deras Allmänna praktiska nytta och användbarhet för Konstnärer, Byggmästare, Landtbrukare, o. s. w. 8vo. *Stockholm*, 1855.

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——. Lärobok i mineralogien. 8vo. *Stockholm*, 1860.

——. Exposé des formations Quaternaires de la Suède, with 4to Atlas. 8vo. *Stockholm*, 1868.

Erdmann (Edvard). Description de la formation carbonifère de la Scanie. (Map.) 4to. *Stockholm*, 1873.

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——. See Surveys: Sweden.

Erichson (W. F.). See Küster (H. C.) and Wagner (J. A.).

Erlenmeyer (Emil). Die Aufgabe des chemischen Unterrichts gegenüber den Anforderungen der Wissenschaft und Technik. (Tract.) 4to. *Munich*, 1871.

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Erman (A.) Lettre sur la carte physique du Kamtschatka; chez S. Schropp. (Tract.) 4to. *Berlin*?, 1838?

Erman (A.). Archiv für wissenschaftliche Kunde von Russland. Heft 2. 8vo. *Berlin*, 1841.

—— and **Herter** (P.) Ueber Tertiärschichten, welche die Bernsteinführende Braunkohle an der samländischen Ostseeküste bedecken. (Tract.) 8vo. *Berlin*, 1850.

Ertborn (P. van). See SURVEYS: BELGIUM.

Erxleben (Johann Christian P.). Anfangsgründe der Naturlehre. 6te Auflage. Mit Verbesserungen und vielen Zusätsen von G. C. Lichtenberg. 8vo. *Göttingen*, 1794.

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Eschricht (Reinhardt) and **Lilljeborg** (W.). Recent memoirs on the Cetacea. Edited by W. H. Flower. (Ray Society.) 4to. *London*, 1866.

Eschwege (W. L. von). Geognostisches Gemälde von Brasilien, und wahrscheinliches Muttergestein der Diamanten. (Tract.) 8vo. *Weimar*, 1822.

——. Beiträge zur Gebirgskunde Brasiliens. 8vo. *Berlin*, 1832.

Esenbeck (Christ. Gottfried Nees von). See NEES VON ESENBECK (Christ. Gottfried).

Esmark (Jens). Kurze Beschreibung einer mineralogischen Reise durch Ungarn, Siebenbürgen und das Bannat. 8vo. *Freiburg*, 1798.

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Espine (Adolph d') and **Favre** (Ernest). Observations géologiques et paléontologiques sur quelques parties des Alpes de la Savoie et du Canton de Schwyz. (Tract.) 8vo. *Geneva*, 1865.

Espy (James P.). Fourth Meteorological Report. (United States.) 4to. *Washington*, 1857.

Estner (Franz Joseph Anton). Versuch einer Mineralogie für Anfänger und Liebhaber nach . . . Werner's Methode. 3 vols. 8vo. *Vienna*, 1794.

Etallon (A.) Esquisse d'une description géologique du Haut-Jura et en particulier des environs de St.-Claude. (Tract.) 8vo. *Paris*, 1857.

Etallon (A.). See THURMANN (J.).

Etheridge (Robert). Palæozoic Rocks under London. (From the 'Times,' May 1877.)

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Etheridge (Robert, jun.). Note on the shells contained in the Shell-marl of the alluvial deposit of The Meadows, Edinburgh. (Tract.) 8vo. *Edinburgh*, 1873.

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——. Notice of additional species of fossils from the Upper Silurian series of the Pentland Hills. (Tract.) 8vo. *Edinburgh*, 1874.

——. See NICHOLSON (Henry Alleyne).

Etna. Vera relatione del nuovo incendio della montagna di Mongibello. (Tract.) 12mo. *Rome* and *Naples*, 1669.

——. An exact relation of the famous earthquake and eruption of Mount Ætna, or Mont Gibello, A.D. 1669, reprinted from a scarce pamphlet, containing a letter from the Earl of Winchelsea to his Majesty King Charles the Second, &c. 2 copies. 8vo. *London*, 1775.

——. See E*** (W. B.).

Etter (C.). See MUSEUMS. St. Petersburg.

Ettingshausen (Constantin von). Die Proteaceen der Vorwelt. (Tract.) 8vo. *Vienna*, 1851.

——. Begründung einiger neuen oder nicht genau bekannten Arten der Lias- und der Oolithflora. (Tract.) 2 copies. 4to. *Vienna*, 1852.

——. Beitrag zur Flora der Wealdenperiode. (Tract.) Long 4to. *Vienna*, 1852.

——. Beitrag zur fossilen Flora von Wildshuth in Oberösterreich. (Tract.) 8vo. *Vienna*, 1852.

——. Die Steinkohlenflora von Stradonitz in Böhmen. (Tract.) 8vo. *Vienna*, 1852.

——. Fossile Pflanzenreste aus dem trachytischen Sandstein von Heiligenkreuz bei Kremnitz. (Tract.) 4to. *Vienna*, 1852.

——. Ueber fossile Pandaneen. (Tract.) 8vo. *Vienna*, 1852.

——. Ueber fossile Proteaceen. (Tract.) 8vo. *Vienna*, 1852.

——. Ueber *Palæobromelia*, ein neues fossiles Pflanzengeschlecht. (Tract.) 4to. *Vienna*, 1852.

——. Ueber die fossile Flora des Monte Promina in Dalmatien. (Tract). 8vo. *Vienna*, 1853.

Ettingshausen (Constantin von). Beitrag zur Kenntniss der fossilen Flora von Tokay. (Tract.) 8vo. *Vienna*, 1854.

——. Die Steinkohlenflora von Radnitz in Böhmen. (Tract.) 4to. *Vienna*, 1854.

——. Die tertiäre Flora von Häring in Tirol. (Tract.) 4to. *Vienna*, 1855.

——. Ueber die Entdeckung des neuholländischen Charakters der Eocenflora Europa's, &c. (Tract.) 8vo. *Vienna*, 1862.

——. Ueber die Blattskelette der Loranthaceen. (Tract.) 4to. *Vienna*, 1871.

——. Die fossile Flora von Sagor in Krain. Theil I. & II. (Tracts.) 4to. *Vienna*, 1872–77.

——. Die genetische Gliederung der Flora Australiens. (Tract.) 4to. *Vienna*, 1875.

——. Ueber die genetische Gliederung der Cap-Flora. (Tract.) 8vo. *Vienna*, 1875.

——. Beiträge zur Erforschung der Phylogenie der Pflanzenarten. (Tract.) 4to. *Vienna*, 1877.

——. Beiträge zur Kenntniss der fossilen Flora von Parschlug in Steiermark. I. Blattpilze und Moose. (Tract.) 4to. *Vienna*, 1877.

——. Report on Phyto-Palæontological investigations generally, and on those relating to the Eocene flora of Great Britain in particular. (Tract.) 8vo. *London*, 1878.

——. See Debey (Matthias Hubert), and Serials, etc., London, Palæontographical Society.

Eudes-Deslongchamps (Eugène and J. A.). See Deslongchamps (Eugène Eudes- and J. A. Eudes-).

'Eugenies' Expedition. Kongliga Svenska fregatten Eugenies Resa omkring Jorden under befäl af C. A. Virgin. Åren 1851–1853. Befallning utgifna af K. Svenska Vetenskaps-Akademien. 4to. *Stockholm*, 1857–64.

1, 11. Botanik, i. ii. (Om Galapagos-Öarnes Vegetation; af N. J. Andersson), 1857–1861.

2, 4, 6, 7, 10. Zoologi, i.–v., 1857–1861.

3, 8, 13. Fysik, i.–iii., 1858–1864.

5, 9, 14. Physique, i.–iii., 1858–1861.

Euphrates Expedition. See Ainsworth (William).

Evans (Caleb). On some sections of Chalk between Croydon and Oxtead, with observations on the classification of the Chalk. (Tract.) 8vo. *London*, 1870.

Evans (John). On flint implements from Reigate. (Tract.) 8vo. *London*, 1860.

——. Flint implements in the Drift; being an account of their discovery on the Continent and in England. (Tract.) 4to. *London*, 1860.

——. Flint implements in the Drift; being an account of further discoveries on the Continent and in England. (Tract.) 4to. *London*, 1862.

——. An Address delivered in the department of Ethnology and Anthropology—British Association for the Advancement of Science. (Tract.) 8vo. *London*, 1870.

Evans (John). The ancient stone implements, weapons, and ornaments of Great Britain. 8vo. *London*, 1872.

——. Address delivered at the Anniversary Meeting of the Geological Society of London, 1875. (Tract.) 8vo. *London*, 1875.

——. Address delivered at the Anniversary Meeting of the Geological Society of London, 1876. (Tract.) 8vo. *London*, 1876.

——. An Address delivered in the department of Geology—British Association, Dublin, 1878. (Tract.) 8vo. *London*, 1878.

——. Note on a proposed international code of symbols for use on archæological maps. (Tract.) 8vo.

——. See PRESTWICH (Joseph).

Evans (Thomas). See REPORTS, PARLIAMENTARY. Mines.

Everest (George). An account of the measurement of the sections of the Meridional Arc of India. 2 vols. 4to. *London*, 1847.

Everest (Robert). On the influence of social degradation in producing pauperism and crime. (Tract.) 8vo. *London*, 1854.

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——. A journey through the United States and part of Canada. 8vo. *London*, 1855.

Everett (J. D.) Illustrations of the centimetre-gramme-second (C. G. S.) system of units. (Published by the Physical Society.) 8vo. *London*, 1875.

Eversmann (Eduard). Additamenta quaedam levia ad Fischeri de Waldheim celeberrimi *Orthoptera Rossica*. See FISCHER DE WALDHEIM (Gotthelf): Jubilæum, &c. Fol. *Moscow*, 1847.

Ewing W. C.). See WOODWARD (Samuel).

Exhibition of 1823 (Paris). See HÉRON DE VILLEFOSSE (A. M.).

Exhibition of 1851 (London). Report of the Juries on the subjects in the thirty classes into which the Exhibition was divided. 8vo. *London*, 1852.

——. Reports of the Commissioners . . . to the Right Hon. S. H. Walpole, etc.: ii., iii., iv., v. (2 copies), and vi. 8vo. *London*, 1852, 1856, 1861, 1867.

——. Report.—Class X. Philosophical Instruments and Processes depending on their use. By James Glaisher. 8vo. *London* 1851.

——. Tasmanian contributions to the Exhibition of the Industry of all Nations. Fol. *Tasmania*, 1851.

——. See DILKE (*Sir* Charles Wentworth) and DUFRÉNOY (P. A.).

Exhibition of 1854 (Florence). Catalogo dei prodotti naturali e industriali della Toscana, presentati all esposizione nell' I. E. R. Istituto technico. 2nd edition. 8vo. *Florence*, 1854.

Exhibition of 1854? (New York). See REPORTS, PARLIAMENTARY.

Exhibition of 1855 (Madras). Exhibition of Raw Products, Arts, and Manufactures of Southern India, 1855. Reports by the Juries. (Tract.) 4to. *Madras*, 1856.

xhibition of 1855 (Paris). Brazil. Relatorio sobre a Exposição Universal da Industria de 1855. Trabalhos da Commissão Brazileira. Por Giacomo Raja Gabaglia. 8vo.

——. Great Britain. Catalogue of the wo exhibited in the British section of the Exhibition. 8vo. *London*, 1855.

Exhibition of 1855 (Paris). Metals. Reports on the Paris Universal Exhibition.—Part II. (Metals.) 8vo. *London*, 1856.

——. Report on general metal-work.—Part I. and Supplement. By Alfred Tylor. 8vo. *London*, 1857

——. Tasmania. Tasmanian contributions to the Universal Exhibition of Industry. Fol. *Tasmania*, 1855.

——. See Logan (W. E.).

Exhibition of 1861. Why it should be. What it should be. Where it should be. (Tract). 8vo. *London*, 1859.

Exhibition of 1861 (Florence). Esposizione Italiana, 1861. Consiglio dei Giurati.—Classe VI. Cenno sommario sui giudizi emessi dalla Commissione dei Giurati a tutto settembre 1861. (Tract.) 8vo. *Florence*, 1861.

——. ——. Relazioni dei Giurati.—Classe VI. Carte e raccolte geologiche, mineralogiche, e litologiche. Arte delle miniere e metallurgia. Armi. Sezione secunda. Industria mineraria e metallurgica. By C. Perazzi. (Tract.) 2 copies. 8vo. *London*, 1863.

Exhibition of 1861 (Victoria). Catalogue of the Victorian Exhibition, 1861; with prefatory essays, indicating the progress, resources, and physical characteristics of the colony. 2 copies. 8vo. *Melbourne*, 1861.

——. Report on Class III. Indigenous vegetable substances. (Tract.) 8vo. *Melbourne*, 1862.

——. Essais divers, servant d'introduction au catalogue de l'exposition des produits de la Colonie de Victoria. Par W. H. Archer, Ferd. Müller, R. Brough Smyth, Prof. Neumayer, F. M'Coy, A. R. C. Selwyn, and W. Birkmyre. 8vo. *Melbourne*, 1861.

——. Die Colonie Victoria in Australien; ihr fortschritt, ihre Hilfsquellen und ihr physikalischer Charakter. Von W. H. Archer, etc. 8vo. *Melbourne*, 1861.

Exhibition of 1862 (London). Jurors' Reports. Class XXXI. Manufactures in iron, copper, &c., and general hardware. By Alfred Tylor. (Tract.) 4to. *London*, 1862.

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——. ——. The City of Hamilton, Canada West; its position, resources, etc. 8vo. *Hamilton*, 1862.

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——. French Colonies. Catalogue des produits des Colonies Françaises. (Tract.) 8vo. *Paris*, 1862.

Exhibition of 1862 (London). India. Official classified and descriptive catalogue of the contributions from India. By A. M. Dowleans. 4to. *Calcutta*, 1862.

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——. Metallurgy. [Departments of metallurgy represented in the Exhibition.] Newspaper cutting. *London*, 1862,

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——. Vancouver Island. Catalogue of the Minerals of Vancouver Island. MS. Fcap. *London*, 1862.

Exhibition of 1862 (London). Wales. List of the gold ores from Merionethshire, North Wales. Exhibited by T. A. Readwin. (Tract.) 8vo. *London*, 1862.

——. Western Australia. Descriptive catalogue of the collection of Products and Manufactures contributed by the Colony of Western Australia. (Tract.) 8vo. *London*, 1862.

——. See Korizmics (Ladislas), Chief products of Hungary; and Linnett (Frederick).

Exhibition of 1865 (Dublin). Kingdom of Italy. Official catalogue, illustrated with engravings, published by order of the Royal Italian Commission. 2nd edition. 8vo. *Turin*, 1865.

——. New Zealand. Reports and Awards of the Jurors. 8vo. *Dunedin*, 1866.

——. See Bagot (Andrew H.).

Exhibition of 1867 (Paris). Official and other correspondence, etc., relating to the plan promulgated by M. Le Play, the French Commissioner-General, for the Exhibition Palace, by G. Maw and E. J. Payne. (Tract.) 8vo. *London*, 1866.

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——. Reports of artizans selected by a Committee appointed by the Council of the Society of Arts to visit the Paris Universal Exhibition, 1867. 8vo. *London*, 1867.

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Exhibition of 1868 (Havre). International Maritime Exhibition. (Tract.) 8vo. *London*, 1868.

Exhibition of 1871 (Cordoba, Argentine Republic). La Exposicion National. Año 1871. Publication autorizada por la Comision directiva de la Exposicion. Núm. 1–15. 4to. *Córdoba*, 1871–72.

Exhibition of 1873 (Vienna). Brazil. The Empire of Brazil at the Universal Exhibition of 1873. 8vo. *Rio de Janeiro*, 1873.

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—— (London). See Victoria.

Exhibition of 1875 (Rio de Janeiro). Brazil. Catalogo da Exposiçao de Obras publicas do Ministerio da Agricultura. Supplemento N. 1 ao catalogo da Exposicão nacional em 1875. (Tract.) 8vo. *Rio de Janeiro*, 1876.

Exhibition of 1876 (Philadelphia). Canada. Descriptive catalogue of a collection of the economic Minerals of Canada, and notes on a stratigraphical collection of Rocks, by A. R. C. Selwyn. 8vo. *Montreal*, 1876.

——. New South Wales. Intercolonial and Philadelphia International Exhibition. Mines and mineral statistics of New South Wales, and notes on the geological collection of the department of Mines; also remarks on the sedimentary formations of N. S. Wales, by Rev. W. B. Clarke; and notes on the iron and coal deposits, Wallerawang, and on the diamond-fields, by Professor Liversidge. 2 copies. 8vo. *Sydney*, 1875.

Exhibition of 1876 (Philadelphia). Victoria. Official record, containing catalogues, etc., and essays and statistics on the social and economic resources of the Colony of Victoria. 8vo. *Melbourne*, 1875.

Exhibition of 1878 (Paris). France &c. Guide du géologue à l'Exposition Universelle de 1878 et dans les collections publiques et privées de Paris. (Tract.) 8vo. *Paris*, 1878.

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——. See Vom Rath (G.)

Eyries (J. B. B.). See Bach (J. F.).

Eyton (Robert H.). See Reports, Colonial. New Zealand.

Ezquerra del Bayo (Joaquin). Descripcion geológica del terreno donde surten las Aguas termales en las inmediaciones de Fitero, Provincia de Navarra. (Tract.) 8vo. *Madrid*, 1850.

——. Die Bergwerke von Hiendelencina in der Provinz Guadalajara, Spanien. (Tract.) 8vo. *Stuttgart*?, 1850.

——. Essayo de una descripcion general de la estructura geológica del terreno de España en la Peninsula. (Tract.) 2 copies. 4to. *Madrid*, 1850–57.

——. Elementos de laboreo de minas. 2nd edition. 8vo. *Madrid*, 1851.

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——. See Lyell (*Sir* Charles).

F.

F * * *. On the Geological System of Werner. (Tract.) 2 copies. 8vo. *London*, 1813.

F * * * (J.). See Paracelsus and Sandivogius (Micheel).

Fairbairn (William). An account of the Construction of the Britannia and Conway Tubular Bridges. 8vo. *London*, 1849.

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Fairman (Edward St. John). Geology and Agriculture. (Tract.) 8vo. *Florence*, 1867.

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Fairman (Edward St. John). A Treatise on the Petroleum Zones of Italy. (Tract.) 8vo. *London*, 1868.

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Falconer (Hugh). On the American Fossil Elephant of the regions bordering the Gulf of Mexico, etc. (Tract.) 8vo, *London*, 1863.

——. Palæontological Memoirs and Notes. With a biographical sketch of the author. Compiled and edited by Charles Murchison. 2 vols. 2 copies. 8vo. *London*, 1868.

—— and **Cautley** (*Sir* Proby T.). *Sivatherium giganteum*, a new fossil ruminant genus from the valley of the Markanda, in the Siválik Branch of the Sub-Himálayan Mountains. (Tract.) 4to. *Calcutta*, 1835.

—— ——. Note on the *Felis cristata*, a new fossil Tiger from the Siválik Hills. (Tract.) 4to. *Calcutta*, 1836.

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—— ——. Note on the fossil Hippopotamus of the Siválik Hills. (Tract.) 4to. *Calcutta*, 1836.

—— ——. Fauna Antiqua Sivalensis, being the fossil zoology of the Sewálik Hills, in the North of India. Edited by Hugh Falconer. Letterpress 8vo. Ilustrations, including a series of photographs of the unpublished plates, fol. *London*, 1846.

—— ——. See Cautley (Sir Proby T.).

—— and **Walker** (H.). Descriptive catalogue of the remains of Vertebrata from the Sewálik Hills, the Nerbudda, Perim Island, etc., in the Museum of the Asiatic Society of Bengal. 8vo. *Calcutta*, 1859.

Falconer (Thomas). See Falconer (William).

Falconer (William). Dissertation on St. Paul's Voyage from Cæsarea to Puteoli; and on the Apostle's shipwreck on the Island Melite. 2nd edition, with additional notes by Thomas Falconer. 8vo. *London*, 1870.

——. ——. 3rd edition, with notes by Thomas Falconer. 8vo. *London*, 1872.

Falconi (Biase Antonio delli). Gli terrori del titubante Vesuvio. (Tract.) 12mo. *Naples*, 1632.

Fallaux (Cornelius). See Hohenegger (Ludwig).

Fallou (Friedrich Albert). Gluckauf aus Waldheim. 4to. *Moscow*, 1847.

Falsan (Albert). See Saporta (G. de).

—— and **Chantre** (Ernest). Appel aux amis des sciences naturelles pour le tracé d'une carte géologique du terrain et des blocs erratiques des environs de Lyon, du nord du Dauphiné, de la Dombes et du midi du Bugey, et pour la conservation des blocs erratiques dans les mêmes regions. (Tract.) 8vo. *Paris* and *Lyons*, 1868.

—— and **Dumortier** (E.). Note sur les terrains subordonnés aux gisements de Poissons et de Végétaux Fossiles du Bas-Bugey. 8vo. *Lyons* and *Paris*, 1873.

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——. See Cuvier (G.).

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Faujas-de-Saint-Fond (Barthélémy). Mémoire sur des Bois de Cerfs fossiles trouvés dans les environs de Montélimar en Dauphiné. (Tract.) 4to. *Grenoble*, 1776.

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——. See Palissy (Bernard) and Spallanzani (L.).

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——. Recherches géologiques dans les parties de la Savoie, du Piémont et de la Suisse voisines du Mont Blanc, avec un atlas de 32 planches. 3 vols., 8vo; Atlas, 4to. *Paris* and *Geneva*, 1867.

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——. On the Morphology of the Reproductive System of the Sertularian Zoophytes, etc. (Tract.) 8vo. *London*, 1844.

——. A Monograph of the British Naked-eyed Medusæ. (Ray Society.) 4to. *London*, 1848.

——. Report on the Investigation of British Marine Zoology by means of the Dredge.—Part I. The Infra-littoral Distribution of Marine Invertebrata on the Southern, Western, and Northern Coasts of Great Britain. (Tract.) 8vo. *London*, 1850.

——. The relations of Natural History to Geology and the Arts. 8vo. *London*, 1851.

Forbes (Edward). Monograph of the Echinodermata of the British Tertiaries. (Palæontographical Society.) 4to. *London*, 1852.

——. On the Educational Uses of Museums. (Tract.) 8vo. *London*, 1853.

——. Literary Papers. 8vo. *London*, 1855.

——. On the Tertiary Fluvio-marine Formation of the Isle of Wight. (Memoirs of the Geological Survey of Great Britain.) 3 copies. 8vo. *London*, 1856.

——. The Natural History of the European Seas. Edited and continued by R. Godwin-Austen. 8vo. *London*, 1859.

——. See Burmeister (Hermann), Jukes (J. Beete), Spratt (Thomas A. B.); and Surveys, England and Wales and Great Britain.

—— and **Hanley** (Sylvanus). A history of British Mollusca and their Shells. 4 vols. 8vo. *London*, 1853.

Forbes (James David). Obituary Notices. See Geikie (Archibald) and Studer (Bernhard).

——. On the Geology of Auvergne, &c. (Tract.) 8vo. *Edinburgh*, 1836.

——. On the Temperatures and Geological relations of certain Hot Springs, particularly those of the Pyrenees, etc. (Tract.) 4to. *London*, 1836.

——. Account of an intermitting Brine-spring discharging Carbonic Acid Gas near Kissingen in Bavaria. (Tract.) 8vo. *Edinburgh*, 1839.

——. Account of his recent observations on Glaciers. (Tract.) 8vo. *Edinburgh*, 1842.

——. Historical Remarks on the first Discovery of the Real Structure of Glacier-Ice. (Tract.) 8vo. *Edinburgh*, 184?.

——. Travels through the Alps of Savoy and other parts of the Pennine Chain, with observations on the phenomena of Glaciers, with Map of the Mer de Glace. 2nd edition. 8vo. *Edinburgh* and *London*, 1845.

——. Notes on the Geology of the Eildon Hills in Roxburghshire. (Tract.) 4to. *Edinburgh*, 1851.

——. Norway and its Glaciers visited in 1851; followed by journals of excursions in the high Alps of Dauphiné, Berne, and Savoy. 8vo. *Edinburgh*, 1853.

——. On the geological relations of the Secondary and Primary Rocks of the Chain of Mont Blanc. (Tract.) 8vo. *Edinburgh*, 1856.

——. Occasional papers on the theory of Glaciers. 8vo. *Edinburgh*, 1859.

——. Reply to Professor Tyndall's remarks in his work 'On the Glaciers of the Alps,' relating to Rendu's 'Théorie des Glaciers.' (Tract.) 2 copies. 8vo. *Edinburgh*, 1860.

——. The British Association considered with reference to its history, plan, and results, and to the approaching meeting at Dundee. (Tract.) 8vo. *Dundee*, 1866.

Force (Peter). Supplement to "Grinnell Land." (Tract.) 8vo. *Washington*, 1853.

Forchhammer (Johann Georg). Om de geognostiske forhold i en deel af Sjelland og Naboöerne. (Tract.) 4to. *Copenhagen*, 1825.

——. Danmarks geognostiske Forhold, etc. (Tract.) 4to. *Copenhagen*, 1835.

Forchhammer (Johann Georg). Om de Bornholmske Kulformationer. (Tract.) 4to. *Copenhagen*, 1838.

——. Om Martörven og Steenkuldannelsen. (Tract.) 8vo. *Copenhagen*, 1839.

——. Geognostische Studien am Meeres-Ufer. (Tract.) 8vo. *Stuttgart*, 1841.

——. Hans Christian Örsted. (Tract.) 8vo. *Copenhagen*, 1852.

——. Ueber den Einfluss des Kochsalzes auf die Bildung der Mineralien. (Tract.) 8vo. *Halle*, 1855.

——. Bidrag til skildringen af Danmarks Geographiske forhold i deres afhœngighed af landets indre geognostiske bygning. (Tract.) 4to. *Copenhagen*, 1858.

——. Over Saltholdigheden af vandet i Sundet, etc. (Tract.) 8vo. *Copenhagen*, 1858.

——. Om Sövandets Bestanddele og deres fordeling i havet. (Tract.) 4to. *Copenhagen*, 1859.

——. [Notitser angaaende den sandsynlige Forekomst af Juraformationen i det nordlige Jylland.] (Tract.) 8vo. *Copenhagen*, 1863.

——. Ueber die Ahlbildung in Dänemark und den Campin-Sand in Belgien. (Tract.) 8vo. *Stuttgart*, 1863.

——, **Steenstrup** (J.), and **Worsaae** (J.) Undersögelser i geologisk-antiqvarisk Retning. (Tract.) 8vo. *Copenhagen*, 1851.

Forchhammer (Paul Wilhelm). (Topographische und physiographische) Beschreibung der Ebene von Troia, mit einer Karte von T. A. B. Spratt. 8vo. *Frankfort*, 1850.

Ford (S. W.). On some embryonic forms of Trilobites from the Primordial Rocks at Troy, N. Y. (Tract.) 8vo. *New Haven*, 1877.

Foresti (Lodovico). Cenni Geologici e Paleontologici sul Pliocene antico di Castrocaro. (Tract.) 4to. *Bologna*, 1876.

Forrester (Joseph James de). The Oliveira Prize-essay on Portugal; with the evidence regarding that country taken before a Committee of the House of Commons in May 1852, etc. 8vo. *London*, 1853.

——. On the subject of the Material and Chemical Changes which have lately taken place in sundry Port Wines in England. (Tract.) 8vo. *Oporto*, 1858.

——. Companion to 'Portugal and its Capabilities,' or 'A word or two more on Port Wine.' (Tract.) 8vo. *Oporto*, 1860.

Forschepiepe (W.). Führer durch die rheinisch-westfälische Bergwerks-Industrie. 8vo. *Oberhausen*, 1880.

Forshey (Caleb G.). Memoir on the Physics of the Mississippi, and certain internal improvements in the State of Louisiana. (Tract.) 8vo. *New Orleans*, 1850.

Förster (Bernhard Rudolph). See Müller (Hermann) and Saxony. Beiträge zur geognostischen Kenntniss des Erzgebirges.

Forster (Thomas). Researches about Atmospheric Phænomena. Third edition, corrected and enlarged, . . . to which is added the Calendar of Nature. 8vo. *London*, 1823.

——. Illustrations of the Atmospheric Origin of Epidemic Diseases, etc. 2nd edition. 8vo. *Chelmsford*, 1829.

Forster (Thomas). Observations sur l'influence des Comètes sur les phénomènes de l'atmosphère. (Tract.) 8vo. *Aix-la-Chapelle*, 1836.

Forster (Westgarth). A Treatise on a section of the Strata, commencing near Newcastle-upon-Tyne, and concluding on the west side of the mountain of Cross Fell, etc. 8vo. *Newcastle*, 1809.

——. A Treatise on a section of the Strata from Newcastle-on-Tyne to the mountain of Cross Fell in Cumberland. 2nd edition. 8vo. *London*, *Alston*, and *Newcastle*, 1821.

——. Section of the Strata from Newcastle to Cross Fell. (A series of vertical sections only.) 2nd edition. (Tract.) 8vo. *London*?, 1821.

Fortis (Alberto). Travels into Dalmatia, etc. 4to. *London*, 1778.

——. Beschreibung des Thales Ronca im veronesischen Gebiet. Aus dem italiänischen übersetzt von F. A. Weber. 8vo. *Heidelberg*, 1779.

——. Mémoires pour servir à l'histoire naturelle et principalement à l'oryctographie de l'Italie. 2 vols. 8vo. *Paris*, 1802.

Foscolo (Giorgio). A Diagram and Table for deducing the Meridian Altitude from Two Altitudes observed near the Meridian. (Tract.) Fol. *London*, 1852.

Fossombroni (Vittorio). Considerazioni sopra il sistema idraulico dei paesi Veneti. 8vo. *Florence*, 1847.

Foster (Clement Le Neve). On a deposit of Tin at Park of Mines. (Tract.) 8vo. *Falmouth*, 1876.

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——. Report on the Inspection of metalliferous Mines in Cornwall, Devonshire, Dorsetshire, and part of Somersetshire, for the year ending 31st December, 1876. (Tract.) Fol. *London*, 1877.

——. Notes on the Van Mine. (Tract.) 8vo. *Penzance*, 1879.

——. Report on the Inspection of metalliferous Mines in Cornwall, Devonshire, Dorsetshire, and part of Somersetshire, for the year ended 31st December, 1878. Fol. *London*, 1879.

——. See Callon (J.), Diest (P. van), and Surveys, England and Wales.

—— and **Pike** (Walter). Suggestions for the formation of a Miner's permanent Club and Relief Society for Cornwall and Devon. (Tract.) 8vo. *Truro*, 1877.

—— and **Topley** (William). On the Superficial deposits of the Valley of the Medway, with remarks on the denudation of the Weald. (Tract.) 8vo. *London*, 1865.

Foster (Henry). See Parry (W. E.).

Foster (J. W.). See Surveys: Michigan.

Foster (Peter Le Neve). Aluminium. (Tract.) 8vo. *London*, 1859.

Fötterle (Franz). Die geologische Uebersichtskarte des mittleren Theiles von Süd-Amerika. Mit einem Vorwort von W. Haidinger. (Tract.) 8vo. *Vienna*, 1854.

——. Das Vorkommen, die Production und Circulation des mineralischen Brennstoffes in der österreichisch-ungarischen Monarchie im Jahre 1868. (Tract.) 8vo. *Vienna*, 1870.

——. See Hauer (Franz von).

Fougt (Heinrich). Dissertatio, Corallia Baltica adumbrans. 4to. *Upsala*, 1745.

Foulke (William Parker). Account of the Remains of a Fossil Extinct Reptile recently discovered at Haddonfield, New Jersey. (Tract.) 8vo. *Philadelphia*, 1859.

——. See Miller (Hugh).

——, **Leidy** (J.), **Lea** (I.), and **Hammond** (—). On Fossil bones from Haddonfield, Camden County, New Jersey, United States. (Tract.) 8vo. *Philadelphia*, 1858.

Fouqué (F.). Rapport sur les phénomènes chimiques de l'éruption de l'Etna en 1865. 4to. *Paris*, 1866.

——. Rapport sur les tremblements de terre de Céphalonie et de Mételin en 1867. (Tract.) 8vo. *Paris*, 1867.

——. Premier rapport sur une mission scientifique à l'île de Santorin. (Tract.) 8vo. *Paris*, 1868.

——. Santorin et ses éruptions. 4to. *Paris*, 1879.

Fourcroy (Antoine François de). Elements of Natural History and of Chemistry, translated into English. (2nd edition.) 4 vols. and Supplement. 8vo. *London*, 1788–89.

——. See Guyton de Morveau (L. B.). Chemistry.

Fourcy (Eugène de). See Lorieux (Théodore).

Fournel (Henri). Basin of the Lower Loire. (Tract.) 8vo. *London*, 1839.

——. Richesse minérale de l'Algérie. 2 vols. 4to; Atlas, fol. *Paris*, 1849–54.

Fournet (J.). Ueber den Voltzit. (Tract.) 8vo. *Halle*, 1834.

——. Description géologique du bassin houiller des environs de Ternay et Communay, département de l'Isère. (Tract.) 8vo. *Lyons*, 1838.

——. Etudes pour servir à la géographie physique et à la géologie d'une partie du bassin du Rhône. (Tract.) 8vo. *Lyons*, 1838.

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——. Histoire de la Dolomie. 8vo. *Lyons*, 1847.

——. Suite des Etudes sur la Géologie de la partie des Alpes comprise entre le Valais et l'Oisans. 8vo. *Paris*, 1849.

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Fournet (J.). Recherches sur la distribution et sur les modifications des caractères de quelques animaux aquatiques du bassin du Rhône. (Tract.) 8vo. *Lyons*, 1853.

——. Aperçus sur la structure du Jura septentrional. (Tract.) 8vo. *Lyons*, 1860–61.

——. Géologie Lyonnaise. 8vo. *Paris*, 1862.

——. See PERREY (Alexis).

Fowler (John). Address . . . on his election as President of the Institution of Civil Engineers. (Tract.) 8vo. *London*, 1866.

Fox (Robert Were). Observations on mineral veins. (Tract.) 8vo. *Falmouth*, 1837.

——. Purport of a paper relative to springs of water. (Tract.) 8vo. *Truro*, 1844.

——. On certain pseudomorphous crystals of quartz. (Tract.) 8vo. *Falmouth*, 1846.

——. Questions relative to mineral veins, submitted to practical miners. (Tract.) Fol. No date.

Fox-Strangways (William Thomas H.). See STRANGWAYS (W. T. H. Fox-).

Fraas (Oscar). Aus dem Orient: geologische Beobachtungen am Nil, auf der Sinai-Halbinsel und in Syrien. 8vo. *Stuttgart*, 1867.

——. Die Fauna von Steinheim. 4to. *Stuttgart*, 1870.

——. *Aetosaurus ferratus*. See SERIALS, ETC.: STUTTGART. Verein für vaterländische Naturkunde.

Fragoso de Siqueira (J. P.). Kurze Beschreibung aller Amalgamir- und Schmelzarbeiten:—Déscription abrégée de tous les travaux, tant d'Amalgamation, etc. (Tract.) 8vo. *Dresden*, 1800.

France. Dépôt de la Marine. Catalogue chronologique des cartes, plans, vues de côtes, mémoires, instructions nautiques, etc., qui composent l'hydrographie française. 8vo. *Paris*, 1856.

——. ——. ——. 8vo. *Paris*, 1860.

——. ——. ——. 8vo. *Paris*, 1866.

——. ——. ——. 8vo. *Paris*, 1869.

——. ——. ——. 8vo. *Paris*, 1873.

——. ——. Catalogue par ordre géographique des cartes, plans, vues de côtes, mémoires, instructions nautiques, etc., qui composent l'hydrographie française. 8vo. *Paris*, 1869.

——. ——. ——. 8vo. *Paris*, 1873.

——. ——. ——. 8vo. *Paris*, 1878.

——. ——. Instructions nautiques par James Horsburgh. 1e et 2e parties. 3e édition. 4to. *Paris*, 1861–62.

——. ——. Avis aux navigateurs. Côtes des Iles Britanniques. 8vo. *Paris*, 1861–62.

——. ——. ——. Mer Méditerranée, mer Noire, et mer d'Azof. 8vo. *Paris*, 1862.

——. ——. ——. Côtes orientales de l'Amérique anglaise et des Etats-Unis. 8vo. *Paris*, 1862.

——. ——. ——. Côtes orientales de l'Amérique du Sud. 8vo. *Paris*, 1861.

——. ——. ——. Mers des Indes et de Chine, de l'Australie, terre de Van-Diémen et Nouvelle-Zélande. 8vo. *Paris*, 1862.

France. Dépôt de la Marine. Note sur les sondes faites par de grandes profondeurs ; traduction de la brochure anglaise de J. E. Davys, par M. Bouquet de la Grye. 8vo. *Paris*, 1869.

——. ——. La latitude par les hauteurs hors du méridien, par Louis Pagel. 8vo. *Paris*, 1847.

——. ——. Formule générale pour trouver la latitude et la longitude par les hauteurs hors du méridien, par Louis Pagel. 8vo. *Paris*, 1863.

——. ——. Instruction pour le micromètre Lugeol à cadran Lorieux, par M. Bosc. 8vo. *Paris*, 1864.

——. ——. Usage du cercle méridien portatif pour la détermination des positions géographiques, par F. Laugier. 4to. *Paris*, 1852.

——. ——. Instruction sur les cartes pour la navigation par l'arc de grand circle, par M. Hilleret. 8vo. *Paris*, 1878.

——. ——. Tables pour l'évaluation des distances en mer. 8vo. *Paris*, no date.

——. ——. Note sur l'évaluation des distances en mer, par M. de la Roche-Poncié. (Tract.) 8vo. *Paris*, 1860.

——. ——. ADEN. Pilote du golfe d'Aden, par C. Y. Ward ; traduit par J. Lafont. 8vo. *Paris*, 1866.

——. ——. ADRIATIC SEA. Manuel de la navigation dans la mer Adriatique, par M. Alexandre Le Gras. 8vo. *Paris*, 1855.

——. ——. AFRICA. Manuel de la navigation de la côte occidentale d'Afrique, par C. P. de Kerhallet. 3 vols. 8vo. *Paris*, 1851–52.

——. ——. ——. Routier de la côte sud et sud-est d'Afrique. De l'île Robben à Natal. 8vo. *Paris*, 1863.

——. ——. ——. Routier des côtes sud, sud-est et est d'Afrique du cap de Bonne-Espérance au cap Guardafui. Compilé à différentes sources, par Algernon F. R. De Horsey. 2e édition. Traduit de l'anglais par A. MacDermott. 8vo. *Paris*, 1866.

——. ——. ——. Supplément à l'Instruction No. 421. Afrique. Côte sud et est. (Tract.) 8vo. *Paris*, 1875.

——. ——. ——. Supplément à l'Instruction No. 352. Côtes sud et est d'Afrique. 8vo. *Paris*, 1876.

——. ——. ——. Renseignements sur la partie de la côte occidentale d'Afrique comprise entre le cap Négro et le cap Lopez. (Tract.) 8vo. *Paris*, 1850.

——. ——. ——. Description nautique de la côte occidentale d'Afrique, depuis le cap Roxo jusqu'aux îles de Los, par C. Philippes de Kerhallet. (Tract.) 8vo. *Paris*, 1849.

——. ——. ——. Instructions nautiques sur la côte occidentale d'Afrique, par Charles Philippes de Kerhallet. 3 vols. 8vo. *Paris*, 1867–70–71.

——. ——. ——. Influence des courants sur la navigation à la côte occidentale d'Afrique, par M. A. Vallon. (Tract.) 8vo. *Paris*, 1860.

——. ——. ALEXANDRIA. Instruction pour entrer dans le port d'Alexandrie, Egypte. (Tract.) 8vo. *Paris*, 1867.

——. ——. ALGERIA. Description nautique des côtes de l'Algérie, par A. Bérard ; suivi des notes par M. de Tessan. 8vo. *Paris*, 1837.

——. ——. ——. Instructions nautiques sur les côtes de l'Algérie par Mouchez. 8vo. *Paris*, 1879.

France. Dépôt de la Marine. AMERICA, CENTRAL. Reconnaissance hydrographique des côtes occidentales du Centre-Amérique. Par T. de Lapelin. 8vo. *Paris*, 1854.

——. ——. ——. Province de Veraguas (Nouvelle-Grenade), par M. de Rosencoat. 8vo. *Paris*, 1857.

——. ——. AMERICA, NORTH. Côte occidentale d'Amérique. Baie de San Francisco et côte au nord. 8vo. *Paris*, 1868.

——. ——. ——. ——. Côtes de Californie. Traduites de l'américain . . . par A. Frickmann. 8vo. *Paris*, 1872.

——. ——. ——. ——. Côtes de l'Orégon et du territoire de Washington. Instructions traduites de l'américain . . . par A. Frickmann. 8vo. *Paris*, 1872.

——. ——. ——. Instructions nautiques pour les principaux ports de la côte est de l'Amérique du Nord . . . traduit de l'anglais, par M. MacDermott. 8vo. *Paris*, 1864.

——. ——. ——. Tableau général des phares et fanaux des côtes orientales de l'Amérique du nord. (Tract.) 8vo. *Paris*, 1851.

——. ——. AMERICA, SOUTH. Instructions nautiques sur les côtes occidentales d'Amérique du golfe de Peñas à la Rivière Tumbez, par R. Fitz-Roy, traduit de l'anglais par M. MacDermott. 8vo. *Paris*, 1863.

——. ——. ——. Instructions nautiques sur les côtes occidentales d'Amérique de la rivière Tumbez à Panama, par R. Fitz-Roy, traduit de l'anglais par M. MacDermott. 8vo. *Paris*, 1863.

——. ——. ——. Instructions nautiques sur les côtes orientales de l'Amérique du Sud, comprises entre la Plata et le détroit de Magellan, par P. K. Parker et R. Fitz-Roy. Traduites de l'anglais par E. Hamelin. 8vo. *Paris*, 1863.

——. ——. ATLANTIC. Considérations générales sur l'océan Atlantique, par C. Philippes de Kerhallet. (Tract.) 8vo. *Paris*, 1852.

——. ——. ——. ——. 3e édition. (Tract.) 8vo. *Paris*, 1854.

——. ——. ——. Observations sur la navigation des paquebots qui traversent l'Atlantique, par A. Le Gras. (Tract.) 8vo. *Paris*, 1856.

——. ——. ——. Des vents et des coups de vent observés dans l'Atlantique Nord, sur les routes des bâtiments à vapeur allant de la Manche à New York et *vice versâ* ; traduit de l'anglais par M. de la Tour du Pin. 8vo. *Paris*, 1873.

——. ——. ——. Géographie physique de la partie équatoriale de l'océan Atlantique, par M. Toynbee. Traduit et résumé par M. Ch. Ploix. 4to. *Paris*, 1877.

——. ——. AURIGNY. Routier de l'île Aurigny . . . traduit de l'anglais, par Jules Vavin. 8vo. *Paris*, 1865.

——. ——. AUSTRALIA. Routier de l'Australie ; traduit de l'anglais par A. Le Gras. 8vo. *Paris*, 1855.

——. ——. ——. Routier de l'Australie (côte est), détroit de Torrès et mer de Corail, traduit et annoté d'après les travaux hydrographiques les plus récents par A. Le Gras. Vol. II. 8vo. *Paris*, 1861.

——. ——. ——. Supplément au routier de l'Australie. Tom. II. Côte est, détroit de Torrès et mer de Corail. 8vo. *Paris*, 1865.

France. Dépôt de la Marine. Australia. Routier de l'Australie, par Charles B. Yule, 1re partie, Vols. I. et II. traduit de l'anglais .... par M. Frickmann; 2me partie, Vols. I. et II. traduit par A. Le Gras, et Vol. III. traduit par M. Besson. 5 vols. 8vo. *Paris*, 1871–73.

——. ——. ——. Suppléments aux Instructions Nos. 521, 535, 420, 486. Côtes est, nord, nord-ouest et sud de l'Australie. 8vo. *Paris*, 1877.

——. ——. Azof, Sea of. Renseignements hydrographiques sur la mer d'Azof, recueillis et rédigés par G. C. Cloué. 8vo. *Paris*, 1856.

——. ——. Azores. Description de l'archipel des Açores, par C. Philippes de Kerhallet. (Tract.) 8vo. *Paris*, 1851.

——. ——. ——. Description nautique des Açores, par C. Philippes de Kerhallet. 2e édition. (Tract.) 8vo. *Paris*, 1858.

——. ——. Baltic. Pilote de la mer Baltique de l'amiral G. Klint, traduit et publié par A. Le Gras. 8vo. *Paris*, 1856.

——. ——. ——. Supplément (No. 1) au Pilote de la mer Baltique. 8vo. *Paris*, 1857.

——. ——. ——. Instructions Nautiques sur la mer Baltique et le golfe de Finlande, par A. Le Gras. Tom. I., parties 1 et 2. 2nd edition. 8vo. *Paris*, 1864.

——. ——. ——. Mer Baltique. Côte de Prusse. De Memel à Darserort. 8vo. *Paris*, 1875.

——. ——. ——. Description des côtes de l'Esthonie, de la Livonie, de la Courlande, de la Prusse et de la Poméranie, jusqu'au cap Darserort, d'après les instructions nautiques de J. Hjorth. 8vo. *Paris*, 1855.

——. ——. Bayonne. Instruction pour aborder et franchir la barre de Bayonne. (Tract.) 8vo. *Paris*, 1837.

——. ——. ——. Instruction pour aller chercher la barre de Bayonne et entrer dans la rivière, ou pour relacher ou mouiller dans les environs. 8vo. *Paris*, 1863.

——. ——. Behring's Straits, etc. Instructions pour naviguer sur les côtes de l'île Reine-Charlotte et d'Alaska, dans les îles Aléoutiennes, la mer de Behring et le détroit de Behring, traduites de l'américain par M. le Vicomte de la Tour du Pin. 8vo. *Paris*, 1873.

——. ——. Black Sea. Pilote de la mer Noire, traduit du russe et mis à jour par H. de la Planche. Côte d'Asie. Long 8vo. *Paris*, 1865.

——. ——. ——. Pilote de la mer Noire. Traduit du russe par M. H. de la Planche. Côte d'Europe. Long 8vo. *Paris*, 1869.

——. ——. Brazil. Instructions pour naviguer sur la côte septentrionale du Brésil et dans le fleuve des Amazones: pour faire suite au Pilote du Brésil: par L. Tardy de Montravel. 8vo. *Paris*, 1847.

——. ——. ——. Les côtes du Brésil, description et instructions nautiques, par M. Ernest Mouchez. 1e section. Du cap San Roque à Bahia. 8vo. *Paris*, 1874.

——. ——. ——. 2e section. De Bahia à Rio Janeiro. 8vo. *Paris*, 1864.

——. ——. ——. 4e section. Côte Nord. Du cap San Roque à Maranhao. 8vo. *Paris*, 1869.

France. Dépôt de la Marine. Brest. Essai sur l'atterrage et l'entrée de la rade de Brest par temps brumeux, avec un bâtiment à vapeur. Par H. de Roujoux. 8vo. *Paris*, 1868.

——. ——. Bristol Channel. Instructions pour naviguer dans le canal de Bristol. Par E. J. Bedford. Traduit par Paul Martin. 8vo. *Paris*, 1870.

——. ——. Canaries, etc. Description de l'archipel des Canaries et de l'archipel des îles du Cap Vert. Par C. Philippes de Kerhallet. (Tract.) 8vo. *Paris*, 1851.

——. ——. Cape de Verde. Description nautique des îles du Cap Vert par C. Philippes de Kerhallet. 2e édition. 8vo. *Paris*, 1858.

——. ——. ——. Instructions nautiques sur les îles du Cap Vert, par C. P. de Kerhallet et A. Le Gras. 8vo. *Paris*, 1873.

——. ——. Cape of Good Hope. Rapport sur une nouvelle route pour doubler le cap de Bonne-Espérance, de l'est à l'ouest, pendant la saison d'hiver, de mai à septembre, proposée par M. Briet. 8vo. *Paris*, 1863.

——. ——. Cherbourg. Notice sur la carte des environs de Cherbourg, par M. Keller. (Tract.) 8vo. *Paris*, 1861.

——. ——. Chili, etc. Instructions nautiques sur les côtes du Chili et de la Bolivie, d'après les documents les plus récents, par F. Chardonneau. 8vo. *Paris*, 1873.

——. ——. Chinese Seas. Rapport sur la campagne de la corvette La Bayonnaise dans les mers de Chine, par M. E. Jurieu de Lagravière. (Tract.) 8vo. *Paris*, 1851.

——. ——. ——. Mer de Chine. . . . . Parties I., III., IV., et V. compilées, . . . par A. Le Gras. 4 vols. 8vo. *Paris*, 1865–68.

——. ——. ——. Instructions nautiques sur les côtes est de la Chine, la mer Jaune, les golfes de Pe-Chili et de Lian-Tung, et la côte ouest de la Corée, traduits sur la dernière édition du 'China Pilot,' par M. de Vautré, et annotées par M. A. Le Gras. 8vo. *Paris*, 1863.

——. ——. ——. Supplément aux Instructions (No. 373) sur la mer de Chine. II. partie, contenant des instructions sur les côtes est de Chine, la mer Jaune, les golfes de Pe-Chili et de Lian-Tung et la côte ouest de la Corée, traduit de la dernière édition du 'China Pilot,' par M. Costa. 8vo. *Paris*, 1865.

——. ——. ——. Deuxième supplément aux Instructions (No. 373) sur la mer de Chine. 2e partie, contenant des renseignements nautiques sur la côte ouest de la Corée et la rivière de Séoul, etc. Par C. A. Roze. 8vo. *Paris*, 1867.

——. ——. ——. Mer de Chine. 3e partie. Instructions nautiques sur les îles et les passages entre les Philippines et le Japon et les îles du Japon, etc., par A. Le Gras. 8vo. *Paris*, 1877.

——. ——. ——. Mer de Chine. 3e partie. Supplément No. viii. à l'Instruction No. 426. Iles du Japon. 8vo. *Paris*, 1871.

——. ——. ——. Mer de Chine. 4e partie. Supplément No. iii. à l'Instruction No. 447. 8vo. *Paris*, 1871.

——. ——. ——. Mer de Chine. Route de Sincapour à Saigon. 8vo. *Paris*, 1863.

France. Dépôt de la Marine. China and Japan. Notice météorologique sur les mers comprises entre la Chine et le Japon. 4to. *Paris*, 1879.

——. ——. Chronometry, etc. Recherches sur les variations de la marche des pendules et des chronomètres, par A. Lieussou. (Tract.) 8vo. *Paris*, 1854.

——. ——. ——. Observations chronométriques faites pendant la campagne de circumnavigation de la corvette la Capricieuse, par E. Mouchez. (Tract.) 8vo. *Paris*, 1855.

——. ——. ——. Recherches chronométriques. [Sur les Chronomètres et les Instruments Nautiques.] Cah. 1 et 5–12. 8vo. *Paris*, 1859–76.

——. ——. Cochin China. Mémoire sur les marées de la Basse Cochinchine, par M. G. Héraud. 8vo. *Paris*, 1873.

——. ——. ——. Annuaire des marées de la Basse Cochinchine pour les années 1873, 1874 et 1876–1879. 8vo. *Paris*, 1872–78.

——. ——. ——. Annuaire des marées de la Basse Cochinchine et du Tong-kin pour l'an 1880. 24mo. *Paris*, 1879.

——. ——. Compass Deviations. Manuel de l'Amirauté pour les déviations des compas par F. J. Evans et Archibald Smith. 3me édition, traduite par M. A. Collet. 8vo. *Paris*, 1870.

——. ——. ——. Sur l'emploi du compas Etalon et la courbe des déviations à bord des navires en fer et autres, par M. B. Darondeau. 8vo. *Paris*, 1863.

——. ——. Compass Regulation. Note sur la régulation des compas par des observations de force horizontale, par M. E. Caspari. 8vo. *Paris*, 1873.

——. ——. Corea, etc. Description hydrographique de la côte orientale de la Corée et du golfe d'Osaka, traduite du russe par M. H. de la Planche. (Tract.) 8vo. *Paris*, 1861.

——. ——. Corsica. Instructions nautiques sur les côtes de Corse, par M. Sallot des Noyers. 8vo. *Paris*, 1865.

——. ——. Crete. Instructions sur l'île de crète ou Candie, par le commandant Spratt, traduction par A. Le Gras. (Tract.) 8vo. *Paris*, 1861.

——. ——. Dardanelles. Instructions nautiques sur le détroit des Dardanelles, la mer de Marmora, et le Bosphore, par A. Le Gras. 8vo. *Paris*, 1853.

——. ——. Denmark. Le Pilote Danois, traduit de la dernière édition du Danske-Lods, du dépôt Hydrographique de Copenhague. 8vo. *Paris*, 1855.

——. ——. Ecuador, etc. Instructions nautiques sur les côtes de l'Equateur et des Etats-Unis de Colombie, d'après les Capitaines Kellett et de Rosencoat, par F. Chardonneau. 8vo. *Paris*, 1874.

——. ——. England. Instructions pour naviguer sur la côte occidentale d'Angleterre, de Milford Haven à la Mull of Galloway, traduites d'anglais par A. Frickmann. 8vo. *Paris*, 1873.

——. ——. ——. Côte est d'Angleterre. Supplément à l'Instruction No. 302. 8vo. *Paris*, 1870.

France. Dépôt de la Marine. English Channel. Exposé du régime des courants observés depuis le XVI^e^ siècle jusqu'à nos jours dans la Manche et la mer d'Allemagne, etc. Par F. A. E. Keller. (Tract.) 8vo. *Paris*, 1855.

——. ——. ——. Portulan des côtes de la Manche, du canal de Bristol et de la côte sud de l'Irlande, traduit des instructions anglaises de M. White et J. Purdy, extrait du pilote français de M. Givry, et complété d'après les renseignements les plus récents, par V. A. Moulac. 8vo. *Paris*, 1855.

——. ——. ——. Pilote de la Manche. Côtes sud et sud-ouest de l'Angleterre. Par John W. King, traduit de l'anglais par M. Sallot des Noyers. 8vo. *Paris*, 1869.

——. ——. ——. Côtes nord de France. Par M. Thomassin. Vol. I. De la pointe de Penmarch à l'île de Bas. 8vo. *Paris*, 1871.

——. ——. ——. ——. 2^me^ partie. De l'île de Bas aux Héaux de Bréhat. 8vo. *Paris*, 1874.

——. ——. ——. 3^me^ partie. Des Héaux de Bréhat au cap de la Hogue. 8vo. *Paris*, 1875.

——. ——. ——. Annuaire des courants de marée de la Manche pour l'an 1879, par M. Gaussin. 8vo. *Paris*, 1879.

——. ——. ——. Annuaire des courants de marée de la Manche pour l'an 1880. 8vo. *Paris*, 1880.

——. ——. Finland and Bothnia, Gulfs of. Description du golfe de Finlande et de l'entrée du golfe de Bothnie, d'après les instructions nautiques de J. Hjorth. 8vo. *Paris*, 1854.

——. ——. France. Annuaire des marées des côtes de France pour les années 1849–1877. [Incomplete set.] 12mo. *Paris*, 1848–76.

——. ——. ——. Exposé des opérations géodésiques exécutés sur les côtes septentrionales de France, par P. Bégat. 4to. *Paris*, 1839.

——. ——. ——. Exposé des opérations géodésiques exécutés sur les côtes méridionales de France, par P. Bégat. 4to. *Paris*, 1844.

——. ——. ——. Pilote français. Instructions nautiques (Partie des côtes septentrionales de France comprise entre la pointe de Barfleur et Dunkerque et partie des côtes de France comprise entre les Casquets et la pointe de Barfleur.—Environs de Cherbourg), rédigées par M. Givry. 4to. *Paris*, 1842–45.

——. ——. ——. Pilote des côtes sud de France. Par A. Germain. Texte. 8vo. *Paris*, 1876.

——. ——. ——. Vues. Sm. fol. *Paris*, 1876.

——. ——. ——. Pilote des côtes nord de France. 1^er^ volume. Cherbourg au Havre, par M. Estignard. 8vo. *Paris*, 1876.

——. ——. ——. Pilote des côtes ouest de France. Par A. Bouquet de la Grye. 2 vols. 8vo. *Paris*, 1869–73.

——. ——. Gibraltar. Manuel de la navigation dans le détroit de Gibraltar, par C. A. Vincendon-Dumoulin et C. P. de Kerhallet. 8vo. *Paris*, 1857.

——. ——. Guadeloupe. Pilote de la Guadeloupe, par M. E. Ploix. 8vo. *Paris*, 1875.

——. ——. Guernsey. Pilote de l'île Guernesey publié par ordre de l'Amirauté anglaise et traduit par M. Massias. 8vo. *Paris*, 1864.

France. Dépôt de la Marine. Guiana. Instructions nautiques pour naviguer sur les côtes des Guyanes, par M. Sardy de Montravel. (Tract.) 8vo. *Paris*, 1851.

——. ——. Guiana, French. Renseignements sur la navigation des côtes et des rivières de la Guyane française, par M. Em. Courg. 8vo. *Paris*, 1865.

——. ——. ——. Guyane française et fleuve des Amazones. 8vo. *Paris*, 1877.

——. ——. Guinea. Guide pour l'usage des cartes des vents et des courants du golfe de Guinée, par M. de Brito Capello, traduit du portugais par MM. West et A. Le Gras. (Tract.) 8vo. *Paris*, 1862.

——. ——. Holland and Belgium. Tableau général des phares et fanaux des côtes de Hollande et de Belgique. (Tract.) 8vo. *Paris*, 1849.

——. ——. Hydrography. Annales hydrographiques, recueil d'avis, instructions, documents et mémoires relatifs à l'hydrographie et à la navigation. Tom. I.–VIII., X.–XXIII., and XXXV., etc. 8vo. *Paris*, 1849, *etc.*

——. ——. ——. Mélanges hydrographiques, ou recueil de documents relatifs à l'hydrographie et de la navigation. Tom. I.–III. 8vo. *Paris*, 1846–47.

——. ——. ——. Recherches hydrographiques sur le régime des côtes. Cahiers I.–IV. et VI.–IX. 4to. *Paris*, 1874–78.

——. ——. Iceland. Instructions nautiques sur les côtes d'Islande, par M. Barlatier de Mas. (Tract.) 8vo. *Paris*, 1862.

——. ——. ——. Renseignements sur quelques mouillages de la côte d'Islande et de Norvége, par M. Thoyon (1863–1864). 8vo. *Paris*, 1865.

——. ——. India. Pilote de la côte occidentale de l'Hindoustan . . . par A. D. Taylor, traduit de l'anglais par J. Lafont. 8vo. *Paris*, 1868.

——. ——. Indian Archipelago. Instructions sur les îles et les passages du grand archipel d'Asie, rédigées d'après les documents les plus récents . . . par M. Sallot des Noyers. 5 vols. 8vo. *Paris*, 1867–68.

——. ——. ——. Détroit de Banka. Nouvelle passe pour donner dans le détroit en venant du sud. Position de quelques écueils dans la mer de Corail. Par A. Le Gras. (Tract.) 8vo. *Paris*, 1860.

——. ——. Indian Ocean. Instructions nautiques sur les mers de l'Inde, par James Horsburgh, traduites de l'anglais, en 1837, par M. Le Prédour. 2e édition. Tom. II. 4to. *Paris*, 1856.

——. ——. ——. ——. 3e édition. Tom. III. Part 2. 4to. *Paris*, 1860.

——. ——. ——. Considérations générales sur l'océan Indien, par C. Philippes de Kerhallet. (Tract.) 8vo. *Paris*, 1851.

——. ——. ——. ——. 2e édition. (Tract.) 8vo. *Paris*, 1853.

——. ——. ——. Océan Indien. Golfe du Bengale, depuis la pointe de Galle jusqu'à la tête d'Achem, compilé par M. Weyl. 8vo. *Paris*, 1877.

France. Dépôt de la Marine. INDIAN OCEAN. Océan Indien. Ile de Ceylan. Description des basses et des dangers qui sont près de la côte S.E. d'île de Ceylan. (Tract.) 8vo. *Paris*, 1861.

——. ——. ——. Mémoire sur les ouragans de la mer des Indes au sud de l'équateur, par A. Lefebvre. (Tract.) 8vo. *Paris*, 1852.

——. ——. ——. Table chronologique de quatre cents cyclones qui ont sévi dans les Indes occidentales et dans l'océan Atlantique du nord, pendant un intervalle de 362 années (depuis 1493 jusqu'en 1855), par Andrès Poey. 8vo. *Paris*, 1862.

——. ——. ——. Notes sur la forme des Cyclones dans l'océan Indien, etc. Par M. Meldrum. 8vo. *Paris*, 1874.

——. ——. ——. Renseignements nautiques sur quelques îles éparses de l'océan Indien Sud, Prince Edouard, Crozet, Kerguelen, MacDonald, Rodriguez, Maurice, la Réunion, Saint Paul et Amsterdam, les Seychelles, Madagascar et Mayotte. 8vo. *Paris*, 1879.

——. ——. IRELAND. Instructions nautiques pour la côte d'Irlande. Par Richard Hoskyn. 1e partie traduit par H. de Laplanche ; 2e partie par J. Lafont. 8vo. *Paris*, 1870–71.

——. ——. JAPAN, ETC. Description des îles et des passages compris entre la partie nord de l'île Luçon et îles les du Japon, par A. Le Gras. (Tract.) 8vo. *Paris*, 1857.

——. ——. ——. Renseignements hydrographiques sur les îles Formose et Lou-tchou, la Corée, la mer du Japon, et la mer d'Okhotsk, mis en ordre et publiés par A. Le Gras. (Tract.) 8vo. *Paris*, 1859.

——. ——. ——. ——. 2e édition. (Tract.) 8vo. *Paris*, 1860.

——. ——. ——. Le Séto Utchi, mer intérieure du Japon et ses approches. Instructions nautiques rédigées . . . par M. A. Banaré. 8vo. *Paris*, 1876.

——. ——. JAVA, ETC. Instructions nautiques sur les traversées d'aller et de retour de la Manche à Java par C. Le Helloco. 4to. *Paris*, 1861.

——. ——. JERSEY. Routier de l'île Jersey, par John Richards, traduit de l'anglais par M. Jules Vavin. 8vo. *Paris*, 1866.

——. ——. KATTEGAT. Le Kattegat, le Sund et les Belts. Extrait du Danske-Lods : traduit du danois par A. Le Gras. 8vo. *Paris*, 1873.

——. ——. LABRADOR. Supplément à l'Instruction No. 353. Labrador : Côte nord-est. 8vo. *Paris*, 1876.

——. ——. LIGHTHOUSES. Phares des mers du Globe. Par Alexandre Le Gras. 8vo. *Paris*, 1856.

——. ——. ——. Supplément aux livres des Phares. 1857–1859. 8vo. *Paris*, 1857–59.

——. ——. MADAGASCAR. Madagascar, côte orientale. Partie comprenant l'île Fong, Tamatave, Foulepointe, Mahambo, Fénérive, Sainte-Marie et Tintingue. Par M. Germain. 8vo. *Paris*, 1864.

——. ——. MADEIRA, ETC. Description nautique de Madère et des Canaries par C. Philippes de Kerhallet. 2e édition. 8vo. *Paris*, 1858.

France. Dépôt de la Marine. Magellan's Straits. Instructions pour naviguer dans le détroit de Magellan et les canaux conduisant au golfe de Penâs, par R. C. Mayne. Traduit de l'anglais par MM. E. Talpomba at E. de Lapierre. 8vo. *Paris*, 1872.

——. ——. Morocco. Description nautique de la côte N. du Maroc, par C. A. Vincendon-Dumoulin et C. P. de Kerhallet. 8vo. *Paris*, 1857.

——. ——. Marquesas. Notes sur la navigation de l'archipel des Marquises pendant les années 1855–1856. Par M. Jouan. (Tract.) 8vo. *Paris*, 1858.

——. ——. Martinique. Description nautique des côtes de la Martinique, précédée d'un mémoire sur les opérations hydrographiques et géodésiques exécutés dans cette île en 1824 et 1825, par P. Monnier. 8vo. *Paris*, 1828.

——. ——. Mediterranean. Mer Méditerranée . . . Par J. S. Bayot. 8vo. *Paris*, 1876.

——. ——. ——. Mer Méditerranée. Côtes sud et sud-est d'Espagne, du détroit de Gibraltar à la frontière de France, et les îles Baléares. 8vo. *Paris*, 1875.

——. ——. ——. Mer Méditerranée. Golfe de Gênes, côtes ouest et sud d'Italie (de la frontière de France à Brindisi). 8vo. *Paris*, 1878.

——. ——. ——. Considérations générales sur la mer Méditérranée. Vents, courants, et routes de cette mer . . . mis en ordre par A. Le Gras. 8vo. *Paris*, 1866.

——. ——. ——. Tableau général des phares et fanaux des côtes de la Méditerranée de la mer Noire et de la mer d'Azof. (Tract.) 8vo. *Paris*, 1852.

——. ——. Meteorology. Des Typhons de 1848. Par F. A. E. Keller. (Tract.) 8vo. *Paris*, 1849.

——. ——. ——. Instructions destinées à accompagner les Cartes de Vents et de Courants, par M. F. Maury, traduites par Ed. Vanneechout. 4to. *Paris*, 1859.

——. ——. ——. Météorologie nautique. Vents et Courants. Routes Générales, extrait des 'Sailing Directions' de Maury et des travaux les plus récents, par M. Charles Ploix. 4to. *Paris*, 1863.

——. ——. ——. Explication et usage des Wind and Current Charts, par E. Tricault. (Tract.) 8vo. *Paris*, 1857.

——. ——. ——. Des Ouragans, Tornados, Typhons et Tempêtes. Typhons de 1848; Typhon de 1843. Par M. F. A. E. Keller. 8vo. *Paris*, 1861.

——. ——. ——. Le vrai principe de la Loi des Ouragans, appliqué d'une manière pratique aux deux hémisphères, par James Sedgwick. Traduit de l'anglais par H. de l'Aulnoit. 8vo. *Paris*, 1861.

——. ——. ——. La Loi des Tempêtes considérée dans ses rapports avec les mouvements de l'atmosphère, par H. W. Dove; traduit par A. Le Gras. 8vo. *Paris*, 1864.

——. ——. ——. Nouvelle classification des Nuages, suivie d'Instructions pour servir à l'observation des nuages et des courants atmosphériques, par André Poey. 8vo. *Paris*, 1873.

France. Dépôt de la Marine. Mexico, etc. Manuel de la Navigation dans la mer des Antilles et dans le golfe du Mexique, par C. P. de Kerhallet. 2 vols. 8vo. *Paris*, 1853.

——. ——. ——. Manuel de la Navigation dans la mer des Antilles et dans le golfe du Mexique, par Charles Philippes de Kerhallet. 2e édition. Parties 1–3. 3 vols. 8vo. *Paris*, 1862–64.

——. ——. ——. Mer des Antilles et golfe du Mexique. 2e partie. (2e et 3e parties du Manuel du la Navigation dans la mer des Antilles, par A. Le Gras.) 4to. *Paris*, 1875.

——. ——. ——. Mer des Antilles et golfe du Mexique. 1e partie ... compilée par M. A. Sallot des Noyers. 8vo. *Paris*, 1876.

——. ——. ——. Instructions nautiques sur les côtes ouest du Centro-Amérique et du Mexique rédigées d'après les travaux de M. Le Contre-Amiral de Lapelin, et les documents anglais et américains, par A. Pailhès. 8vo. *Paris*, 1879.

——. ——. ——. Note sur les traversées de retour du golfe du Mexique en France. Par M. B. F. Grasset. Route d'Europe au Mexico. 8vo. *Paris*, 1866.

——. ——. New Caledonia. Instructions sur la Nouvelle-Calédonie, par M. Tardy de Montravel. (Tract.) 8vo. *Paris*, 1857.

——. ——. ——. Instructions nautiques sur la Nouvelle-Calédonie, par MM. de Montravel, Grimoult et Jouan. 8vo. *Paris*, 1867.

——. ——. ——. Instructions nautiques sur la Nouvelle-Calédonie, par MM. Chambeyron et Banaré, suivies d'une Note sur les îles Loyalty, par M. Jouan. 8vo. *Paris*, 1869.

——. ——. ——. Renseignements nautiques sur la Nouvelle-Calédonie et les îles Loyalty, par M. Grimoult. (Tract.) 8vo. *Paris*, 1859.

——. ——. ——. Instructions à donner aux bâtiments venant en Nouvelle-Calédonie par le cap de Bonne-Espérance. Par E. du Bouzet. (Tract.) 8vo. *Paris*, 1857.

——. ——. Newfoundland. Pilote de Terre-neuve, et supplément, par G. C. Cloué. 2 vols. 8vo. *Paris*, 1869–70.

——. ——. ——. Supplément aux Instructions Nos. 468 et 469. Terre-neuve. Côtes est et sud. 8vo. *Paris*, 1876.

——. ——. New Zealand. Le Pilote de la Nouvelle-Zélande, d'après les travaux exécutés par les navires de S. M. B. l'Achéron et la Pandora. .... Compilation faites par G. H. Richards et F. J. Evans. 3e édition. Traduit de l'anglais par A. Jouan; revu ... par M. Sallot des Noyers. Parties 1–2. Long 8vo. *Paris*, 1865.

——. ——. Nile. Etude sur les embouchures du Nil et sur les changements qui s'y sont produits dans les derniers siècles, d'après une reconnaissance hydrographique exécutée en 1860 par M. Larousse. 8vo. *Paris*, 1872.

——. ——. North Sea. Mer du Nord. Traduction du Pilote publié pas ordre de l'amirauté anglaise, par A. Le Gras. Parties I. et III. 2 vols. 8vo. *Paris*, 1858–60.

——. ——. ——. Mer du Nord. 3e partie. Côtes est d'Angleterre. 8vo. *Paris*, 1876.

France. Dépôt de la Marine. North Sea. Guide du Marin et du Caboteur sur les côtes est de la mer du Nord depuis le cap Grisnez jusqu'au nord du Danemark, sur les côtes de la mer Baltique, sur les côtes ouest de Norvége, et sur celles de la mer Blanche, par P. Guéry. 8vo. *Paris*, 1863.

——. ——. ——. Avis aux Navigateurs. Mer de Nord, mer Baltique, et mer Blanche. 8vo. *Paris*, 1861.

——. ——. Norway. Pilote Norvégien d'après les travaux de la direction Hydrographique de Norvége, réunis et traduits par le Baron de Long. 8vo. *Paris*, 1858.

——. ——. Nova Scotia. Routier de la baie de Fundy et de la Nouvelle-Ecosse. (Tract.) 8vo. *Paris*, 1861.

——. ——. ——. Instructions nautiques pour la côte sud-est de la Nouvelle-Ecosse et la baie de Fundy, par G. F. McDougall. Traduit de l'anglais par M. J. Lafont. 8vo. *Paris*, 1869.

——. ——. Pacific, etc. Renseignements nautiques sur quelques ports de l'Océanie, de la Nouvelle-Hollande et de la mer Rouge, par R. Foy. (Tract.) 8vo. *Paris*, 1866.

——. ——. ——. Océan Pacifique nord. Renseignements sur les îles Havaii ou Sandwich, etc. Compilés par M. Frickmann. 8vo. *Paris*, 1871.

——. ——. ——. Océan Pacifique. Renseignements sur les archipels Marshall et Gilbert, d'après les documents les plus récents, réunis par A. Le Gras. 8vo. *Paris*, 1874.

——. ——. ——. Considérations générales sur l'océan Pacifique, par C. Philippes de Kerhallet. 8vo. *Paris*, 1851.

——. ——. ——. ——. 2e édition. 8vo. *Paris*, 1856.

——. ——. ——. Détermination des Longitudes au moyen des chronomètres. Observations pour la détermination des longitudes des îles Taiti, Ana, Faarava, Taroa, Manihi, Auura, Rairoa, par A. Kulczycki; discussion par M. Vincendon-Dumoulin. (Tract.) 8vo. *Paris*, 1851.

——. ——. ——. Observations chronométriques et autres, faites en 1853, dans l'archipel des Pomotous, par MM. Paschappe et de la Mark. (Tract.) 8vo. *Paris*, 1857.

——. ——. ——. Océan Pacifique Sud. (Notice No. 3) Les îles Salomon. 8vo. *Paris*, 1879.

——. ——. ——. ——. (Notice No. 4) Nouvelles Hébrides, îles Banks et archipel de Santa-Cruz. 8vo. *Paris*, 1879.

——. ——. ——. ——. (Notice No. 5) Iles Wallis. 8vo. *Paris*, 1879.

——. ——. Patagonia. Instructions nautiques sur les côtes de la Patagonie, depuis la Terre des Etats, à l'est, jusqu'au cap Tres Montes, à l'ouest, compris le détroit de Magellan et la côte du Large de la Terre de Feu. Traduites de l'ouvrage anglais des Capitaines P. King et R. FitzRoy, par Paul Martin. 8vo. *Paris*, 1863.

——. ——. ——. Renseignements nautiques sur les côtes de Patagonie. Par M. Dupin-de-Saint-André. (Tract.) 8vo. *Paris*, 1862.

——. ——. ——. (Supplément à l'Instruction No. 361.) Renseignements sur la côte nord du golfe Saint-Georges (Patagonie), par J. B. Olry. 8vo. *Paris*, 1877.

France. Dépôt de la Marine. Patagonia. Détroit de Magellan et canaux latéraux ; Cap Horn et Terre de Feu. Instruction par Paul Cave. 8vo. *Paris*, 1879.

——. ——. Persian Gulf. Le Pilote du golfe Persique comprenant le golfe d'Omman. 2 parts. Long 8vo. *Paris*, 1866.

——. ——. Peru. Instructions nautiques sur la côte du Pérou, par F. Chardonneau, d'après Aurelio Garcia y Garcia. 8vo. *Paris*, 1872.

——. ——. Philippines. Renseignements sur les îles de Manille à Ilo-ilo, à Zebu et à Samboangon. Supplément No. VI. à l'instruction 447. 8vo. *Paris*, 1879.

——. ——. Portugal. Description des côtes du Royaume du Portugal, compilé d'après les travaux les plus récents, par A. Le Gras. (*Edition de* 1869.) 8vo. *Paris*, 1869.

——. ——. Red Sea. Renseignements sur la mer Rouge, par M. Lapierre. 8vo. *Paris*, 1863.

——. ——. ——. Instructions pour naviguer dans la mer Rouge. Par A. Le Gras. 8vo. *Paris*, 1870.

——. ——. Rio de la Plata. Manuel de la Navigation dans le Rio de la Plata, par A. Boucarut. (Tract.) 8vo. *Paris*, 1857.

——. ——. ——. Nouveau Manuel de la Navigation dans le Rio de la Plata d'après les documents français et espagnols. Par Ernest Mouchez. (Tract.) 8vo. *Paris*, 1862.

——. ——. Russia. Description hydrographique des côtes septentrionales de la Russie, par M. Reinèke. Première partie. Mer Blanche. Deuxième partie. Côte de la Laponie. Traduction de russe par H. de La Planche. (Tract.) 8vo. *Paris*, 1860-62.

——. ——. Sailing Directions. Résumé de la partie physique et descriptive des Sailing Directions du Lieut. Maury, par E. Tricault. 8vo. *Paris*, 1857.

——. ——. St. Lawrence. Pilote du golfe et du fleuve St. Laurent. Parties 1 et 3. Par H. W. Bayfield ; traduction par A. Le Gras et A. MacDermott. 2 vols. 8vo. *Paris*, 1863-65.

——. ——. Scotland. Instructions pour la navigation de la côte ouest d'Ecosse, traduites et mises en ordre par M. Frickmann, 1e partie. Hébrides, ou îles de l'ouest. 8vo. *Paris*, 1869.

——. ——. ——. Instructions nautiques. Côte ouest d'Ecosse. Traduit de l'anglais par M. L. de la Chauvinière. 2e partie. 8vo. *Paris*, 1874.

——. ——. ——. Instructions nautiques sur le sound de Harris et le petit Minch. Traduit par A. Le Gras. (Tract.) 8vo. *Paris*, 1862.

——. ——. Southern Hemisphere. Etude sur les ouragans de l'hémisphère Austral, par M. Bridet. 2e édition. 8vo. *Paris*, 1869.

——. ——. Spain. Routier de la côte nord d'Espagne, traduit de l'espagnol par A. Le Gras. 8vo. *Paris*, 1864.

——. ——. ——. Routier des côtes N.O., ouest et sud d'Espagne, rédigé par A. Le Gras. 8vo. *Paris*, 1869.

——. ——. —— and Portugal. Instructions sur les côtes d'Espagne et de Portugal, de la Corogne au cap Trafalgar, rédigées par M. A. Le Gras. 8vo. *Paris*, 1878.

France. Dépôt de la Marine. Syria. Renseignements hydrographiques et statistiques sur la côte de Syrie par M. Desmoulins. (Tract.) 8vo. *Paris*, 1862.

——. ——. Teneriffe etc. Instruction à suivre pour aller mouiller sur la rade de Santa-Cruz (côte orientale del'île de Ténériffe). (Tract.) 8vo. *Paris*, no date.

——. ——. Vancouver Island. Pilote de l'île Vancouver. Par G. H. Richards; traduit par H. Perigot. 8vo. *Paris*, 1863.

——. ——. ——. Pilote de l'île Vancouver. Par G. H. Richards; traduit de l'anglais par M. Hocquart. 2me partie. 8vo. *Paris*, 1867.

France. Géographie de la France. 5 vols. 8vo. *Paris*, 1802.

France (Mines etc.). Edicts, ordonnances, arrests, et reglements sur le faict, ordre, et police des mines et minières de France, depuis le Roy Charles VI, jusques à Louis XIII, à présent regnant. 12mo. *Paris*, 1631.

Francfort (E.). Miniere cani ed annesso stabilimento metallurgico in Vallanzasca. (Tract.) 8vo. *Pallanza*, 1859.

Franke (J. F. A.). Schnee-Krystalle, beobachtet in Dresden 1845 und 1846. (Tract.) 8vo. *Dresden*, 1860.

Franklin (*Sir* John). Narrative of a second Expedition to the Shores of the Polar Sea in the years 1825, 1826, and 1827; including an account of a detachment to the eastward, by John Richardson. 4to. *London*, 1828.

Franklyn (Dr.). On the Eruption of Mount Etna. (Tract.) MS. 1809.

Frapoli or **Frapolli** (L.). Mémoire sur la disposition du terrain Silurien dans le Finistère, etc. (Tract.) 8vo. *Paris*, 1845.

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——. See Pilla (Leopoldo).

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Frazer (George Alexander). See Admiralty Publications.

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Freeman (John). Life of the Rev. William Kirby, Rector of Barham. 8vo. *London*, 1852.

Freiesleben (Johann Carl). Bemerkungen über den Harz. 8vo. *Leipzig*, 1795.

——. Geognostische Arbeiten. 6 vols. 8vo. *Freiberg*, 1807–17.

Freke (H.). Observations on Mr. Darwin's recently published work 'On the Origin of Species by means of Natural Selection.' (Tract.) 4to. *Dublin*, 1860.

Freke (H.). On the Origin of Species by means of Organic Affinity. 8vo. *London*, *Dublin*, and *Edinburgh*, 1861.

——. An Appeal to Physiologists and the Press. (Tract.) 8vo. *Dublin*, 1862.

Fremerij (Nicol Cornelis de). Over eenen Hoorn en Gedeelte des Bekkeneels van *Bos primigenius*, in 1825 bij de Eembrugge gevonden. Mit Bijvoegsel van C. G. C. Reinwardt. (Tract.) 4to. *Amsterdam*, 1831.

——. Bijdrage tot de Kennis der fossile Zoogdieren in Noord-Nederland gevonden. (Tract.) 4to. *Amsterdam*, 1840.

Fremont (John Charles). Report of the Exploring Expedition to the Rocky Mountains in the year 1842, and to Oregon and North California in the years 1843–44. 8vo. *Washington*, 1845.

——. Geographical Memoir upon Upper California in illustration of his Map of Oregon and California. (Tract.) 8vo. *Washington*, 1848.

—— and **Emory** (W. H.). Notes of Travel in California. 8vo. *New York* and *Philadelphia*, 1849.

Frenzel (David). Verzeichniss der Edelgesteine, Fossilien, Naturalien, Erdarten und Versteinerungen, welche im Bezirk der Stadt Chemnitz, in Meisen gefunden und bemerket worden. (Tract.) 8vo. *Chemnitz*, 1769.

Fresenius (R.). See SERIALS ETC.: GERMANY. Versammlung der deutschen Naturforscher und Aerzte.

Fresnel (Augustin Jean). See BERZELIUS (J. J.).

Frič (Anton). See FRITSCH (Anton).

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Friedlander (H,). The Country of Earth-Oil in Upper Burma. (Tract.) Fol. *Rangoon*?, 1874.

Friren (—). Mélanges Paléontologiques. 1er Article. *Orthoidea*, *Straparolus*, *Ammonites*, *Aulacoceras* et *Tisoa siphonalis* du Lias moyen. (Tract.) 8vo. *Metz*, 1875.

Frisch (Samuel Gottlob). Lebensbeschreibung Abraham Gottlob Werners. Nebst zwei Abhandlungen über Werners Verdienste um Oryktognosie und Geognosie, von Christian Samuel Weiss. 12mo. *Leipzig*, 1825.

Fritsch (Anton). Cephalopoden der böhmischen Kreideformation. 4to. *Prague*, 1872.

——. Fauna der Steinkohlenformation Böhmens. (Tract.) 8vo. *Prague*, 1876.

——. Fauna der Gaskohle und der Kalksteine der Permformation Böhmens. Band I., Heft i. 4to. *Prague*, 1879.

——. See KREJČÍ (J.).

Fritsch (Johann Christian). See KUNKEL (Johann).

Fritsch (Johann Heinrich). Taschenbuch für Reisende ins Riesengebirge. 8vo. *Leipzig*, 1816.

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Fritsch (Karl von). Beitrag zur Geognosie des Balkan. (Tract.) 4to. *Halle*, 1879.

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Fritsch (Karl von). See SURVEYS: SWITZERLAND. Matériaux pour la carte géologique de la Suisse.

—— and **Reiss** (W.). Geologische Beschreibung der Insel Tenerife. Ein Beitrag zur Kenntniss vulkanischer Gebirge.
8vo. *Winterthur*, 1868.

Frodsham (Charles). A few remarks upon the Construction and Principles of Action of the Aneroid Barometer. (Tract.)
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Frodsham (W. J.). Results of Experiments on the Vibrations of Pendulums with different suspending springs. (Tract.)
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Fromentel (E. de). Description des Polypiers fossiles de l'étage néocomien. (Tract.) 8vo. *Auxerre* and *Paris*, 1857.

——. Catalogue raisonné des Spongitaires de l'étage néocomien. (Tract.)
8vo. *Auxerre*, 1861.

——. See ORBIGNY (Alcide d').

Fromherz (Carl). Geognostische Beschreibung des Schönbergs bei Freiberg im Breisgau. (Tract.) 2 copies. 4to. *Freiberg*, 1837.

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Frost (John). Some account of the Science of Botany, etc. (Tract.)
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Fryar (Mark). See LEBOUR (G. A.).

Fuchs (Carl W. C.). Practical Guide to the Determination of Minerals by the Blowpipe. Translated and edited by T. W. Danby.
8vo. *London*, 1875.

——. Vulkane und Erdbeben. 2 copies. 8vo. *Leipzig*, 1875.

Fuchs (Theodor). Die Conchylienfauna der Eocänbildungen von Kalinowka im Gouvernement Cherson im südlichen Russland. (Tract.)
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——. Beitrag zur Kenntniss der Conchylienfauna des vicentinischen Tertiärgebirges. I. Abtheilung.—Die obere Schichtengruppe, oder die Schichten von Gomberto, Laverda und Sangonini. (Tract.)
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Fuchs (Wilhelm). Die Venetianer Alpen. Fol. *Vienna*, 1844.

Fuhlrott (C.). Menschliche Ueberreste aus einer Felsengrotte des Dusselthals. (Tract.) 8vo. *Bonn*, 1859.

Fuhlrott (C.). Der fossile Mensch aus dem Neanderthal und sein Verhältniss zum Alter des Menschengeschlechts. (Tract.) 8vo. *Duisburg*, 1865.

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G.

Gabaglia (Giacomo Raja). See Exhibition of 1855 (Paris).

Gabb (William M.). Catalogue of the Invertebrate Fossils of the Cretaceous Formation of the United States. (Tract.) 8vo. *Philadelphia*, 1859.

——. Synopsis of the Mollusca of the Cretaceous Formation, including the geographical and stratigraphical range and synonymy. 8vo. *Philadelphia*, 1861.

——. Notes on American Cretaceous Fossils, with descriptions of some new species. (Tract.) 8vo. *Philadelphia*, 1876.

——. Description of a Collection of Fossils made by Dr. Raimondi in Peru. (Tract.) 4to. *Philadelphia*, 1877.

——. See Surveys: California.

Gagliardo (Giovanni Battista). Descrizione topografica di Taranto. 8vo. *Naples*, 1811.

Gaimard (Paul). Voyage en Islande et au Groënland, exécuté pendant les années 1835 et 1836. Littérature islandaise; premiere partie, par M. Xavier Marmier. 8vo; Plates, fol. *Paris*, 1843.

——. See Quoy (J. R. C.).

Gairdner (Meredith). Essay on the Natural History, Origin, Composition, and Medicinal Effects of Mineral and Thermal Springs. 8vo. *London* and *Edinburgh*, 1832.

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——. See Nyst (P. H.).

Galiffe-Pictet (—). See Pictet (— Galiffe).

Gallerani (Giovanni Venturi). See Venturi-Gallerani (Giovanni).

Gallitzin (Dimitri de). Traité de Minéralogie. 8vo. *Helmstedt*, 1796.

——. Recueil de noms par ordre alphabétique appropriés en minéralogie aux terres et pierres, etc., et leurs synonymies en allemand, latin, et anglois. 8vo. *Brunswick*, 1802.

Galloway (William). See Coal-Mines (Explosions), and Scott (Robert Henry).

Gamboa (Francisco Xavier de). Comentarios a las Ordenanzas de Minas. Fol. *Madrid*, 1761.

——. Commentaries on the Mining Ordinances of Spain. Translated by Richard Heathfield. 2 vols. 8vo. *London*, 1830.

Gannett (Henry). On the Arable and Pasture-Lands of Colorado. (Tract.) 8vo. *Washington*, 1878.

——. See Surveys, United States: Territories. Miscellaneous Publications.

Garay (José de). Survey of the Isthmus of Tchuantepec, executed in the years 1842–43. 8vo. *London*, 1844.

Garden (R. J.). Notice of some Cretaceous Rocks near Natal, South Africa. (Tract.) 8vo. *London*, 1855.

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Gardner (George). Travels in the Interior of Brazil during the years 1836–1841. 8vo. *London*, 1846.

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—— and **Ettingshausen** (Constantin von). A Monograph of the British Eocene Flora. (*Palæontographical Society.*) 8vo. *London*, 1879, etc.

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Garrigou (Félix). La vérité sur les objets de l'âge de la pierre polie des cavernes de Tarascon. (Tract.) 8vo. *Paris*, 1867.

——. See Rames (J.-B.).

Gärtner (C. L.). See Leonhard (C. C.).

Gastaldi (Bartolomeo). Cenni sui Vertebrati fossili del Piemonte. (Tract.) 4to. *Turin*, 1858.

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Gauld (George). Observations on the Florida kays, reef, and gulf; with directions for sailing along the kays from Jamaica by the Grand Cayman and the west end of Cuba, &c. 4to. *London*, 1796.

Gaussoin (Eugène). Memoir on the Island of Navassa (West Indies). 2 copies. 8vo. *Baltimore*, 1866.

Gauthier (V.). See Cotteau (Gustave).

Gautier (A.). Introduction philosophique à l'étude de la géologie. 8vo. *Paris*, 1853.

Gautier (H.). La bibliothèque des philosophes et des sçavans tant anciens que modernes, etc. 2 vols. 8vo. *Paris*, 1723.

Gautieri (Giuseppe). Confutazione dell' opinione di alcuni mineralogi sulla volcanità de' monticelli collocati trà Grantola e Cunardo, nel dipartimento del Lario. (Tract.) 8vo. *Milan*, 1807.

——. Dell' influsso de' boschi sullo stato fisico de' paesi e sulla prosperità delle nazioni. (Tract.) 8vo. *Milan*, 1814.

——. Untersuchung über die Entstehung, Bildung und den Bau des Chalcedons und der mit ihm verwandten Steinarten, insbesondere aber des Chalcedons von Tresztyh in Siebenbürgen. 8vo. *Jena*, 1800.

Gazeau de Vautibault (—). Le Trans-Saharien. (Tract.) 8vo. *Paris*, 1879.

Gazetteers. See Blackie (W. G.), Bryce (James), Carlisle (Nicholas), and Milner (T.).

Geber. Gebri regis Arabum philosophi perspicacissimi Summa perfectionis magisterii in sua natura; ex bibliothecæ Vaticanæ exemplari undecunque emendatissimo edita; cum vera genuinaque delineatione vasorum et fornacum. Denique libri investigationis magisterii et testamenti ejusdem Gebri, ac aurei trium verborum libelli, et Avicennæ, summi medici et acutissimi philosophi, mineralium additione castigatissima. 12mo. *Dantzig*, 1682.

Gehler (Johann Samuel Traugott). Physikalisches Wörterbuch oder Versuch einer Erklärung der vornehmsten Begriffe und Kunstwörter der Naturlehre, etc. 6 vols. 8vo. 1796–98.

Geikie (Archibald). The Geology of Eastern Berwickshire. (Memoir on Map 34 of the Geological Survey of Scotland.) 8vo. *London*, 1863.

——. Outlines of the Geology of the British Isles. 8vo. *Edinburgh*, 1864.

——. Memoir of the late James David Forbes. (Tract.) 8vo. *Edinburgh*, 1869.

——. On the Progress of the Geological Survey in Scotland. Abstract of an Address to the Geological Section of the British Association, Edinburgh, 1871. (Tract.) 8vo. *Edinburgh*, 1871.

——. Life of Sir Roderick I. Murchison. 2 vols. 8vo. *London*, 1875.

——. See Howell (H. H.), Jukes (Joseph Beete), Murchison (Roderick Impey); and Surveys: Great Britain. Museum of Practical Geology.

Geikie (James). On Changes of Climate during the Glacial Epoch. (Tract.) 8vo. *London*, 1872.

——. On the Geological Position and Features of the Coal- and Ironstone-bearing Strata of the West of Scotland. (Tract.) 8vo. *Newcastle*, 1872.

——. Geology. 8vo. *London* and *Edinburgh*, 1875.

——. The Great Ice Age and its relation to the antiquity of man. 8vo. *London*, 1878.

Geinitz (Hans Bruno). Charakteristik der Schichten und Petrefacten des sächsisch-böhmischen Kreidegebirges. 4to. *Dresden* and *Leipzig*, 1839–42.

——. Das sächsisch-böhmische Kreidegebirge. (Tract.) 8vo. *Magdeburg*, 1842.

——. Das Quadersandsteingebirge oder Kreidegebirge in Deutschland. 8vo. *Freiberg*, 1849–50.

——. Ueber den Zechstein der Wetterau. (Tract.) 8vo. *Hanau*, 1851.

——. Die Graptolithen, ein monographischer Versuch zur Beurtheilung der Grauwackenformation in Sachsen. 4to. *Leipzig*, 1852.

——. Die Versteinerungen der Steinkohlenformation in Sachsen. Fol. *Leipzig*, 1855.

——. Die geognostischen Verhältnisse in den Umgebungen der Stadt Chemnitz, etc. (Tract.) 8vo. *Dresden*, 1857.

——. Entwurf zu einem neuen Mineralsysteme. (Tract.) 8vo. *Dresden*, 1857.

——. Ueber die Wiederaufnahme des Silberbergbaues bei Höckendorf im Thale der wilden Weiseritz. (Tract.) 8vo. *Dresden*, 1857.

——. Das königliche mineralogische Museum in Dresden. (Tract.) 8vo. *Dresden*, 1858.

Geinitz (Hans Bruno). Die Leitpflanzen des Rothliegenden und des Zechsteingebirges oder der permischen Formation in Sachsen. (Tract.) 4to. *Leipzig*, 1858.

——. Der Gebirgsbau Sachsens und sein Einfluss auf das Studium der Naturwissenschaften in Dresden. (Tract.) 8vo. *Dresden*, 1860.

——. Die Silurformation in der Gegend von Wilsdruff und der Orthit im Syenite des Elbthales. (Tract.) 8vo. *Dresden*, 1860.

——. Dyas oder die Zechsteinformation und das Rothliegende. 2 vols. 4to. *Leipzig*, 1861–62.

——. Ueber Thierfährten und Crustaceenreste in der unteren Dyas, oder dem unteren Rothliegenden, der Gegend von Hohenelbe. (Tract.) 8vo. *Dresden*, 1862.

——. Ueber *Dalmanites Kablikæ* und *Kablikia dyadica*, Gein. (Tract.) 8vo. *Dresden*, 1863.

——. Carbonformation und Dyas in Nebraska. (Tract.) 4to. *Dresden*, 1866.

——. Ueber Fossile Pflanzen aus der Steinkohlenformation am Altai. (Tract.) 8vo. *Leipzig*, 1871.

——. Das Elbthalgebirge in Sachsen. Theil I., II. 4to. *Cassel*, 1871–74.

——. Paläontologische Mittheilungen aus dem mineralogischen Museum in Dresden. (Tract.) 8vo. *Dresden*, 1872.

——. Das königliche mineralogische Museum zu Dresden. (Tract.) 8vo. *Dresden*, 1873.

——. Mittheilungen aus dem königlichen mineralogischen Museum in Dresden für die Jahre 1872 und 1873. (Tract.) 8vo. *Dresden*, 1874.

——. Beiträge zur Geologie und Paläontologie der argentinischen Republik. 2te, paläontologischer Theil. 2te Abtheilung. Ueber rhätische Pflanzen- und Thierreste in den argentinischen Provinzen la Rioja, San Juan und Mendoza. (Tract.) 4to. *Cassel*, 1876.

See also Kayser (Emanuel).

——. Johann Friedrich Brandt. (Tract.) 4to. *Dresden?*, 1880.

——. See Reichenbach (Ludwig) and Saxony.

——, **Fleck** (H.), and **Hartig** (E.). Die Steinkohlen Deutschland's und anderer Länder Europa's, ihr Natur, Lagerungsverhältnisse, Verbreitung, Geschichte, Statistik und technische Verwendung. 2 vols. and Atlas. 4to. *Munich*, 1865.

—— and **Liebe** (K. Th.). Ueber ein Aequivalent der takonischen Schiefer Nordamerika's in Deutschland, etc. (Tract.) 4to. *Dresden*, 1866.

—— and **Sorge** (C. Th.). Uebersicht der im Königreiche Sachsen zur Chaussee-Unterhaltung verwendeten Steinarten. 4to. *Dresden*, 1869.

Gelas (—). Catalogue des statues en bronze exposées dans une grande salle du Musée Bourbon à Naples. (Tract.) 8vo. *Naples*, 1820.

Gellert (C. E.). Metallurgic Chymistry, translated from the German by I. S. 8vo. *London*, 1776.

Gemmellaro (Carlo). Biographical Notice. See Brancaleone (Salvatore).

——. Sopra alcuni pezzi di granito e di lave antiche trovati presso alla cima dell' Etna. (Tract.) 8vo. *Catania*, 1823.

Gemmellaro (Carlo). Considerazioni geologiche sullo zolfo. (Tract.) 2 copies. 4to. *Catania*, 1835.

——. Descrizione geognostica della costa meridionale del valle di Messina. (Tract.) 4to. *Catania*, 1835.

——. Nuovi schiarimenti sulla teoria dello zolfo. (Tract.) 4to. *Catania*, 1854.

——. Ulteriori considerazioni sul basalto; appendice alla Vulcanologia dell' Etna. (Tract.) 4to. *Catania*, 1860.

Gemmellaro (Gaetano Giorgio). Ricerche sui pesci fossili della Sicilia. Parte prima. 4to. *Catania*, 1858.

——. Caprinellidi della zona superiore della Ciaca dei dintorni di Palermo. Ricerche paleontologiche. 4to. *Palermo*, 1865.

——. Nerinee della Ciaca dei dintorni di Palermo. 4to. *Palermo*, 1866.

——. Sopra alcune faune giuresi e liasiche di Sicilia. Fascicolo 1° e 2°. (Tract.) 4to. *Palermo*, 1872.

Gemmellaro (Giuseppe). Sunto del giornale della eruzione dell' Etna del 1852. (Tract.) 4to. *Catania*, 1853.

Gemmellaro (Mario). Curiosi venuti all' Etna. (Tract.) MS. fol. No date.

Genssane (— de). Histoire naturelle de la province de Languedoc. 5 vols. 8vo. *Montpellier*, 1776–79.

Gente (A.). See Orbigny (Charles d').

Genth (Frederick Augustus). On a new Variety of Grey Copper, perhaps a new mineral. (Tract.) 8vo. *Philadelphia*, 1853.

——. On Owenite, a new mineral. (Tract.) 8vo. *Philadelphia*, 1853.

——. See Gibbs (Wolcott).

Geoffroy St.-Hilaire (Etienne). Considérations sur des ossemens fossiles, la plupart inconnus, trouvés et observés dans les bassins de l'Auvergne. (Tract.) 8vo. *Paris*, 1834.

——. Catalogue des livres de sciences, particulièrement de zoologie, d'anatomie comparée et d'anatomie philosophique composant *sa* bibliothèque. (Tract.) 8vo. *Paris*, 1845.

Geoffroy Saint-Hilaire (Isidore). See Serials, etc.: Paris. Muséum d'Histoire Naturelle.

Geological and miscellaneous Sketches, Sections and Drawings. Fol.

Geological Society. Review of the first Volume of the Transactions of the Geological Society of London. (From the 'Monthly Magazine' for February, 1812.) (Tract.) 8vo. *London*, 1812.

Geological Society Club. 50th Anniversary. 5th November, 1874. (Tract.) 4to. *London*, 1874.

Geological Surveys. See Surveys.

George (Christopher). Description of an improved double Sextant. (Tract.) 8vo. *London*, 1867.

George (Edward S.). On the Yorkshire Coalfield. (Tract.) 8vo. *Leeds*, 1837?

Georgia. Catalogue of the Recent Shells of Georgia. (Tract.) 8vo.

Gerhard (Carl Abraham). Versuch einer Geschichte des Mineralreichs. 2 vols. 8vo. *Berlin*, 1781–82.

Gerini (Giuseppe). Idee della filosofia geologica e paleontologica e caratteri da osservarsi nelle parti dei corpi organici ridotti allo stato fossile. (Tract.) 8vo. *Milan*, 1858.

Gerlach (F. W. A.). Obituary Notices of A. G. Werner. (Tracts.) 4to. *Freiberg*, 1817.

Gerlach (H.). See SURVEYS: SWITZERLAND: Matériaux pour la carte géologique de la Suisse.

Germany. A series of plates illustrating the geognosy and geology of Germany, the Alps, etc., and various geological phenomena, with 4to descriptions. Folio.

——. Topographisch-militairischen Charte von Teutschland in 204 Blättern. 4 vols. and Supplement. Fol. *Weimar*, 1807–14.

Gerolt (Friedrich von) and **Berghes** (Carl de). Geognostische Karte der vorzüglichsten Bergwerksdistricte des Staates von Mexico. (Tract.) 4to. *Düsseldorf*, 1827.

Gerstfeldt (G.). Ueber Land- und Süsswasser-Mollusken Sibiriens und des Amur-Gebietes. (Tract.) 4to. *St. Petersburg*, 1859.

Gerstner (Franz). See JIRASEK (Johann).

Gervais (Henri) and **Ameghino** (Florentino). Les Mammifères fossiles de l'Amérique du Sud. 8vo. *Paris*, 1880.

Gervais (Paul). Remarques sur les oiseaux fossiles. (Tract.) 8vo. *Paris*, 1844.

——. Sur des débris fossiles de Mastodonte et d'*Elephas africanus* découverts en Algérie. (Tract.) 4to. *Montpellier*, 1847–50.

——. Note sur un cas de monstruosité du genre Deradelphe. (Tract.) 4to. *Montpellier*, 1847–50.

——. Sur quelques Entozoaires tænioïdes et hydatides. (Tract.) 4to. *Montpellier*, 1847–50.

——. Sur quelques points de la morphologie générale des animaux. (Tract.) 4to. *Montpellier*, 1847–50.

——. Considérations générales sur la distribution géographique et la classification des Reptiles vivants et fossiles. (Tract.) 8vo. *Paris*, 1848.

——. Zoologie et Paléontologie françaises. Prospectus. (Tract.) 8vo. *Paris*, no date.

——. Mémoire sur la famille des Cétacés ziphioïdes, et plus particulièrement sur le *Ziphius cavirostris* de la Méditerranée. (Tract.) 8vo. *Paris*, 1850.

——. Description de quelques ossements fossiles de Phoques et de Cétacés. (Tract.) 4to. *Montpellier*, 1851–54.

——. Liste des ouvrages et mémoires de zoologie et d'anatomie comparée publiés par P. G. (Tract.) 4to. *Montpellier*, 1852.

——. De la comparaison des membres chez les animaux vertébrés. (Tract.) 4to. *Paris*, 1853.

——. Documents zoologiques pour servir à la monographie des Chéiroptères sud-américains. (Tract.) 4to. *Montpellier*, 1855–57.

——. Recherches sur les mammifères fossiles de l'Amérique méridionale. (Tract.) 4to. *Montpellier*, 1856.

——. ——. Additions. (Tract.) 4to. *Montpellier*, 1857.

——. Notice sur les travaux de Paléontologie publiés par P. G. (Tract.) 4to. *Paris*, 1857.

——. Description de l'*Aphelosaurus lutevensis*, saurien fossile des schistes permiens de Lodève. (Tract.) 4to. *Montpellier*, 1859.

——. Sur une nouvelle espèce d'Hipparion découverte auprès de Perpignan. (Tract.) 4to. *Montpellier*, 1859.

Gervais (Paul). Zoologie et paléontologie françaises. 2me édition. Texte et Atlas. 2 vols. 4to. *Paris*, 1859.

——. Notice sur les travaux de Zoologie, d'Anatomie comparée et de Paléontologie, publiés par P. G. (Tract.) 8vo. *Paris*, 1861.

——. Rapport sur les travaux de la Faculté des Sciences de Montpellier pendant l'année scolaire 1861–1862. (Tract.) 8vo. *Montpellier*, 1862.

——. Remarques sur l'ancienneté de l'Homme tirées de l'observation des cavernes à ossements du Bas-Languedoc. (Tract.) 4to. *Paris*, 1864.

——. Recherches sur l'ancienneté de l'Homme et la période quaternaire. 4to. *Paris*, 1867.

——. Notice nécrologique de Edouard Lartet. (Tract.) 8vo. *Paris*, 1871.

——. Zoologie et Paléontologie générales. Nouvelles recherches sur les animaux vertébrés dont on trouve les ossements enfouis dans le sol, etc. 2me série, livr. 15 and 16. (Tracts.) 4to. *Paris*, 1876.

——. Indices d'un nouveau genre de mammifères édentés, fossile dans les dépôts éocènes dits de Saint-Ouen. (Tract.) 4to. *Paris*, 1877.

——. Nouvelles recherches sur les mammifères fossiles propres à l'Amérique méridionale. (Tract.) 4to. *Paris*, 1878.

——. Vertébrés fossiles observés pour la plupart dans le midi de la France. (Tract.) 4to. *Montpellier*.

——. Notice sur M. Marcel de Serres. (Tract.) 4to. *Paris*, no date.

——. See Verneuil (P. Ed. de).

—— and **Brinckmann** (J.). La caverne de Bize et les espèces animales dont les débris y sont associés à ceux de l'Homme. (Tract.) 8vo. *Montpellier*, 1864.

Gesner (Abraham). Remarks on the Geology and Mineralogy of Nova Scotia. 8vo. *Halifax*, 1836.

——. First Report on the Geological Survey of the Province of New Brunswick. (Tract.) 8vo. *St. John*, 1839.

——. New Brunswick; with Notes for Emigrants. 8vo. *London*, 1847.

——. A practical Treatise on Coal, Petroleum, and other distilled Oils. 8vo. *New York*, *London*, *Melbourne*, *Paris*, and *Madrid*, 1861.

——. See Surveys: New Brunswick.

Gesner (Conrad). De omni rerum fossilium genere, gemmis, lapidibus, metallis, et huiusmodi, libri aliquot, plerique nunc primum editi. 8vo. *Zurich*, 1565.

Gesner (Johann). Tractatus Physicus de Petrificatis. 8vo. *Leyden*, 1758.

Geuther (Anton). Ueber die Natur und Distillationsproducte des Torbanehill Minerals. (Tract.) 8vo. *Göttingen*, 1855.

Gevers (Abraham). Museum Geversianum, sive Index Rerum Naturalium, continens instructissimam copiam pretiosissimorum omnis generis ex tribus regnis naturæ. 8vo. *Rotterdam*, 1787.

Geyler (Hermann Theodor). Ueber die Tertiärflora von Stadecken-Elsheim in Rheinhessen und über eine Flechte aus der Braunkohle von Salzhausen. (Tract.) 8vo. *Frankfort*, 1875.

——. Ueber fossile Pflanzen von Borneo. (Tract.) 4to. *Cassel*, 1875.

Geyler (Hermann Theodor). Ueber fossile Pflanzen aus den obertertiären Ablagerungen Sicilien's. (Tract.) 4to. *Cassel*, 1876.

——. Ueber fossile Pflanzen aus der Juraformation Japans. (Tract.) 4to. *Cassel*, 1877.

——. Ueber einige paläontologische Fragen, insbesondere über die Juraformation Nordostasiens. (Tract.) 8vo. *Frankfort*, 1878.

——. Phytopalaeontologie. Verzeichniss der berücksichtigsten Arbeiten und Referate. (Tract.) 8vo. 1878.

Gibb (*Sir* George Duncan). The Oyster Conglomerate Bed at Bromley in Kent. (Tract.) 8vo. *London*, 1858.

——. A Chapter on Fossil Lightning. (Tract.) 8vo. *London*, 1859.

——. A Visit to Reculver, in Kent. (Tract.) 8vo. *London*, no date.

——. On Canadian Caverns. (Tract.) 8vo. *London*, 1861.

——. Essential Points of Difference between the Larynx of the Negro and that of the White Man. (Tract.) 8vo. *London*, 1865.

——. Geological Rambles around Montreal. 4to. Manuscript, 1868.

——. Discoveries in Science by the Medical Philosopher. An oration delivered on the ninety-sixth anniversary of the Medical Society of London. 8vo. *London*, 1869.

Gibbes (Robert W.). Description of the Teeth of a new Fossil Animal found in the Green Sand of South Carolina. (Tract.) 8vo. *Philadelphia*, 1845.

——. Memoir on the fossil Genus *Basilosaurus*; with a notice of specimens from the Eocene Green Sand of South Carolina. (Tract.) 4to. *Philadelphia*, 1847.

——. Monograph of the Fossil Squalidæ of the United States. (Tract.) 2 copies. 4to. *Philadelphia*, 1848.

Gibbs (Wolcott), and **Genth** (Frederick Augustus). Researches on the Ammonia-cobalt bases. (Tract.) 4to. *Washington*, 1856.

Gibson (George Alexander). The Old Red Sandstone of Sheffield. (Tract.) 8vo. *Edinburgh* and *London*, 1877.

Gibson (William Sidney). The Certainties of Geology. 8vo. *London*, 1840.

——. The Prize Essay on the History and Antiquities of Highgate. (Tract.) 8vo. *London*, 1842.

Giddins (Edward). An Inquiry into the Causes of the Rise and Fall of the Lakes, etc. (Tract.) 8vo. *Lockport, N. Y.*, 1838.

Giebel (Christoph Gottfried). Paläozoologie. Entwurf einer systematischen Darstellung der Fauna der Vorwelt. 8vo. *Merseburg*, 1846.

——. Fauna der Vorwelt, mit steter Berücksichtigung der lebenden Thiere. Vol. I., parts 1–3. 8vo. *Leipzig*, 1847–48.

——. De geognostica septemtrionalis Hercyniæ fastigii constitutione. (Tract.) 8vo. *Halle*, 1848.

——. Gaea excursoria germanica. Deutschlands Geologie, Geognosie und Paläontologie. Part 1. (title and contents wanting). 8vo. *Leipzig*, 1848.

——. Bericht über die Leistungen im Gebiete der Paläontologie mit besonderer Berücksichtigung der Geognosie während der Jahre 1848 und 1849. 8vo. *Berlin*, 1851.

——. Die Versteinerungen im Muschelkalk von Lieskau bei Halle. 4to. *Berlin*, 1856.

Giebel (Christoph Gottfried). Die silurische Fauna des Unterharzes nach Herrn C. Bischof's Sammlung. 4to. *Berlin*, 1858.

——. Die Fauna der Braunkohlenformation von Latdorf bei Bernburg. (Tract.) 4to. *Halle*, 1864.

——. Herr von Könen und die Latdorfer Conchylienfauna. (Tract.) 2 copies. 8vo. *Berlin*, 1866.

——. Repertorium zu Goldfuss' Petrefakten Deutschlands. 4to. *Leipzig*, 1866.

——. See Burmeister (Hermann).

Giesecke (*Sir* Charles Louis [Carl Ludwig Metzler]). A Syllabus of a Mineral System for a Course of Lectures. (Tract.) 2 copies. 8vo. *Dublin*, 1815.

——. Description of Greenland. (Tract.) 4to. *Edinburgh*, 1816.

——. A Descriptive Catalogue of the different Mineral Substances found in the vicinity of the Giant's Causeway. (Tract.) 8vo. *Dublin*, 1825.

——. On the Geological Situation of the Beryl discovered in the County of Down. (Tract.) 8vo. *Dublin*, 1825.

——. Account of a Mineralogical Excursion to the County of Antrim. (Tract.) 2 copies. 8vo. *Dublin*, 1829.

Gifoni (Geronimo Sica de). See Sica de Gifoni (Geronimo).

Gilbert (G. K.). See Surveys: Ohio and United States.

Gilbertson (William). Catalogue of Fossils from the Mountain Limestone of Great Britain, extracted from the works of Messrs. Phillips and Sowerby. (Tract.) 8vo. *Preston*, 1837.

Gilchrist (W.). On the Origin and Formation of the Red Soil of Southern India. (Tract.) 8vo. *London*, 1855.

Giles (Ernest). See Reports: Colonial. South Australia.

Gilliéron (V.). Notice sur les terrains crétacés dans les chaînes extérieures des Alpes des deux côtes du Léman. (Tract.) 8vo. *Basle*, 1870.

——. Les anciens glaciers de la vallée de la Wiese dans la Forêt-noire. (Tract.) 8vo. *Geneva*, 1876.

——. See Loriol (P. de) and Surveys: Switzerland. Matériaux pour la Carte Géologique de la Suisse.

Gillies (Thomas B.). See Reports, Colonial. New Zealand.

Gilliss (J. M.). See United States. Naval Astronomical Expedition.

Gillon (E. T.). See Reports: Colonial. New Zealand.

Gilpin (Edwin). Sketch of the Carboniferous District of St. George's Bay, Newfoundland. (Tract.) 8vo. *Halifax, N. S.*, 1874.

——. Notes on Specimens of Iron Ores, etc., collected in Pictou County for the Philadelphia Exhibition. (Tract.) 8vo. *Halifax, N. S.*, 1876.

——. The Southern Synclinal of the Pictou Coal-Field. (Tract.) 8vo. *Halifax, N. S.*, 1876.

——. On the Necessity for Preliminary Scientific Training for Civil and Mining Engineers. (Tract.) 8vo. *Halifax, N. S.*, 1878.

Gioeni (Giuseppe). Saggio di lithologia vesuviana. 8vo. *Naples*, 1791.

Girard (Charles). Researches upon the Cyprinoid Fishes inhabiting the Fresh Waters of the United States, west of the Mississippi Valley. (Tract.) 8vo. *Philadelphia*, 1856.

Girard (Charles). See Red River.

Girard (H.). Die norddeutsche Ebene, insbesondere zwischen Elbe und Weichsel, geologisch dargestellt. 8vo. *Berlin*, 1855.

——. Geologische Wanderungen. I. Wallis—Vivarais—Velay. 8vo. *Halle*, 1855.

Girardin (J.). Considérations générales sur les volcans. 8vo. *Rouen*, 1831.

Giraud-Soulavie (Jean Louis). Histoire naturelle de la France méridionale. 7 vols. (2e partie. Les Végétaux, Tom. I., in duplicate.) 8vo. *Nismes*, 1780–84.

——. See Hamilton (*Sir* William).

Glaisher (James). On the Meteorology of England, South of Scotland, and Parts of Ireland. 8vo. *London*, 1853.

——. Address of the President of the Microscopical Society of London, February 1866. (Tract.) 8vo. *London*, 1866.

——. See Exhibition of 1851 (London); and Serials etc., London, Royal Microscopical Society.

Glasgow. Mineral Property of the Corporation. See Craig (John).

Gliddon (George R.). See Nott (J. C.).

Gliemann (Theodor). Geographische Beschreibung von Island. 8vo. *Altona*, 1824.

Glocker (Ernst Friedrich von). De Graphite Moravico et de phænomenis quibusdam originem Graphitæ illustrantibus commentatio. (Tract.) 4to. *Warsaw*, 1840.

——. Ueber den Jura-Kalk von Kurowitz in Mähren, und über den darin vorkommenden *Aptychus imbricatus*. (Tract.) 4to. *Breslau*, 1841.

——. Generum et Specierum Mineralium Synopsis, omnium, quotquot adhuc reperta sunt, mineralium nomina complectens. 8vo. *Halle*, 1847.

"**Glück auf!**" der königlich preussischen gesammten edeln Bergknappschaft zum neuen Jahr 1832. (Tract.) 8vo. 1832.

Gmelin (Christian Gottlob). Versuche über die Wirkungen des Baryts, Strontians, Chroms, etc., auf den thierischen Organismus. (Tract.) 8vo. *Tübingen*, 1824.

——. Chemische Untersuchungen über den Turmalin. (Tract.) 8vo. *Tübingen*, 1826.

——. See Berzelius (J. J.).

Gmelin (Johann Friedrich). Grundriss der Mineralogie. 8vo. *Göttingen*, 1790.

——. Beschreibung und Zerlegung des Olivins aus den Basalten in der Gegend von Göttingen. (Tract.) 4to. *Berlin*, 1801.

Goalen (W. N.). See Reports, Colonial. South Australia.

Göbel (Adolph). Der heilsame Meeresschlamm an den Küsten der Insel Oesel, etc. (Tract.) 8vo. *Dorpat*, 1854.

——. Untersuchung eines am $\frac{29.\text{ April}}{11.\text{ Mai}}$ 1855 auf Oesel niedergefallenen Meteorsteins. (Tract.) 8vo. *Dorpat*, 1856.

——. Quellwasser aus Nordpersien nebst Betrachtungen über die Herkunft der Soda und des Glaubersalzes in den Seen von Armenien. (Tract.) 8vo. *St. Petersburg*, 1858.

Göbel (Adolph). Chemische Untersuchung der Rippen der Rhytina. (Tract.) 8vo. *St. Petersburg*, 1862.

——. Chemische Untersuchung der Zinkblüthe von Taft (Prov. Jesd) in Persien, etc. (Tract.) 8vo. *St. Petersburg*, 1862.

——. Mineralogisch-chemische Beiträge. (Tract.) 8vo. *St. Petersburg*, 1862.

——. Ueber das Erde-Essen in Persien, etc. (Tract.) 8vo. *St. Petersburg*, 1862.

——. Ueber die in dem Bestande einiger Salzseen der Krym vor sich gehenden Veränderungen, etc. (Tract.) 8vo. *St. Petersburg*, 1862.

——. Ueber einen vermeintlichen Heerd vulcanischer Thätigkeit in Chorassan, etc. (Tract.) 8vo. *St. Petersburg*, 1862.

——. Ueber die von Lomonossow edirten Cataloge des mineralogischen Museums der Akademie, und deren Inhalt. (Tract.) 8vo. *St. Petersburg*, 1865.

——. Untersuchung des Carnallits von Maman in Persien, etc. (Tract.) 8vo. *St. Petersburg*, 1865.

——. Bericht an die physikalisch-mathematische Classe über die Durchschneidung der Pallas'schen Eisenmasse. (Tract.) 8vo. *St. Petersburg*, 1866.

——. Kritische Uebersicht der im Besitze der kaiserlichen Akademie der Wissenschaften befindlichen Aërolithen. (Tract.) 8vo. *St. Petersburg*, 1866.

——. Uebersicht der in den Museen und Sammlungen von St. Petersburg vorhandenen Aërolithen. (Tract.) 8vo. *St. Petersburg*, 1866.

——. Ueber Aërolithenfälle in Russland aus früheren Jahrhunderten. (Tract.) 8vo. *St. Petersburg*, 1867.

Gobet (Nicolas). Les anciens minéralogistes du Royaume de France; avec des notes. 2 vols. 8vo. *Paris*, 1779.

——. See Palissy (Bernard).

Godeffroy (C.). Notice sur les glaciers, les moraines et les blocs erratiques des Alpes. 8vo. *Paris* and *Geneva*, 1840.

Godman (John D.). Description of a new species of extinct Mammiferous Quadruped. (Tract.) 4to. *Philadelphia*, 1830.

Godon (S.). Mineralogical observations made in the environs of Boston in the years 1807 and 1808. (Tract.) 4to. *Boston*, 1809.

Godwin (G.). See Donaldson (T. L.).

Godwin-Austin. See Austin (Godwin-).

Goldenberg (Friedrich). Flora Saræpontana fossilis. Die Pflanzenversteinerungen des Steinkohlengebirges von Saarbrücken. Heft 1–3. 4to. *Saarbrück*, 1855–62.

——. Fauna Saræpontana fossilis. Die fossilen Thiere aus der Steinkohlenformation von Saarbrücken. Heft 1 u. 2. 4to. *Saarbrück*, 1873–77.

Goldfuss (August). Petrefacta Germaniæ tam ea quæ Museo Universitatis Regiæ Borussicæ Fredericiæ Wilhelmiæ Rhenanæ quam alia in Museis Hoeninghusiano, Münsteriano, aliisque, iconibus et descriptionibus illustrata. 3 vols. 2 copies. Fol. *Düsseldorf*, 1826–44. [*Index*, see Giebel (C. G.)]

——. Beiträge zur vorweltlichen Fauna des Steinkohlengebirges. (Tract.) 4to. *Bonn*, 1847.

Goldfuss (August). Catalogue d'une collection—Auctionscatalog einer ausgezeichneten zoologischen und petrefactologischen Bücher-Sammlung, enthaltend die Bibliothek des verst. Prof. im Bonn Dr. A. G. (Tract.) 8vo. *Berlin*, 1850.

Gomes (Bernardino Antonio). See SURVEYS: PORTUGAL.

Good (J. B.). A vocabulary and outlines of grammar of the Nitlakapamuk or Tompson Tongue, the Indian language spoken between Yale, Lillooet, Cache Creek, and Nicola Lake, together with a Phonetic Chinook Dictionary, adapted for use in the Province of British Columbia. 8vo. *Victoria, B. C.*, 1880.

Göppert (Heinrich Robert). Die fossilen Farrnkräuter. 4to. *Breslau*, 1836.

——. Die Gattungen der fossilen Pflanzen verglichen mit denen der Jetztwelt und durch Abbildungen erläutert. (Les genres des plantes fossiles etc.) 4to. *Bonn*, 1841.

——. Ueber die fossile Flora des Quadersandsteins von Schlesien und der Umgegend von Aachen. (Tract.) 4to. *Breslau*, 1841.

——. Fossile Pflanzenreste des Eisensandes von Aachen. (Als zweiter Beitrag zur Flora der Tertiärgebilde.) (Tract.) 4to. *Bonn*, 1842.

——. Zur Flora des Quadersandsteins in Schlesien, als Nachtrag zu der früher erschienenen Abhandlung über denselben gegenstand in *Nova Acta*. (Tract.) 4to. *Nuremberg*, 1847.

——. Abhandlung [über die Ursprung der Steinkohlen] eingesandt als Antwort auf eine Preisfrage. 4to. *Haarlem*, 1848.

——. Ueber pflanzenähnliche Einschlüsse in den Chalcedonen. (Tract.) 8vo. *Breslau*, 1848.

——. Fossile Hölzer gesammelt während Middendorff's sibirischer Reise. (Tract.) 4to. *St. Petersburg*, 1848.

——. Ueber Beobachtungen der in der älteren Kohlenformation zuweilen in aufrechter Stellung vorkommenden Stämme. (Tract.) 8vo. *Bonn*, 1849.

——. Berichte über eine in den preussischen Rheinlanden und einem Theile Westphalens unternommenen Reise zum Zwecke der Erforschung der fossilen Flora jener Gegenden. (Tract.) 8vo. *Berlin*, 1850.

——. Ueber die Entwickelungsperioden der Erde vom heutigen Standpunkte der Naturwissenschaften. (Tract.) 4to. *Breslau*, 1850.

——. Ueber die gegenwärtigen Verhältnisse der Paläontologie in Schlesien; so wie über fossile Cycadeen. (Tract.). 4to. *Breslau*, 1853.

——. Bericht über eine im Auftrage des Hohen Ministeriums für Handel, Gewerbe und öffentliche Arbeiten im August und September 1850 in dem westphälischen Hauptbergdistrict unternommene Reise zum Zwecke der Untersuchung der in der dortigen Steinkohlenformation vorkommenden fossilen Flora. (Tract.) 8vo. *Breslau*, 1854.

——. Beispiel einer merkwürdigen Veränderung [in der Rothtanne]. (Tract.) 8vo. *Breslau*, 1854.

——. Die Tertiärflora auf der Insel Java. 4to. *The Hague*, 1854.

——. *Stigmaria ficoides*. (Tract.) 8vo. *Bonn*, 1854.

——. Die tertiäre Flora von Schossnitz in Schlesien. 2 copies. 4to. *Görlitz*, 1855.

Göppert (Heinrich Robert). Ueber ein im hiesigen königl. botanischen Garten zur Erläuterung der Steinkohlenformation errichtetes Profil. 2 copies. 8vo. *Breslau*, 1856.

——. Ueber den versteinten Wald von Radowenz bei Adersbach in Böhmen, und über den Versteinungsprocess überhaupt. (Tract.) 8vo. *Vienna*, 1857.

——. Ueber den versteinten Wald von Radowenz bei Adersbach, so wie über den Versteinungsprozess. (Tract.) 4to. *Vienna*, 1857.

—— Ueber die fossile Flora der silurischen, der devonischen und unteren Kohlenformation oder des sogenannten Uebergangsgebirges. 4to. *Jena*, 1859.

——. Ueber die versteinten Wälder im nordlichen Böhmen und in Schlesien. (Tract.) 4to. *Breslau*, 1859.

——. Ueber das Vorkommen von Liaspflanzen im Kaukasus und der Alborus-Kette. (Tract.) 8vo. *Breslau*, 1861.

——. Ueber die Tertiär-Flora der Polargegenden. (Tract.) 8vo. *Breslau*, 1861.

——. Ueber die in der Geschiebeformation vorkommenden versteinten Hölzer. (Tract.) 8vo. *Berlin*, 1862.

——. Ueber die Flora der permischen Formation. (Tract.) Lith. 4to. *Breslau*, 1865.

——. Ueber die fossile Kreideflora und ihre Leitpflanzen. (Tract.) 8vo. *Berlin*, 1865.

——. Beiträge zur Kenntniss fossiler Cycadeen. (Tract.) 8vo. *Berlin*, 1866.

——. Sur la structure de la Houille. (Tract.) 8vo. *Breslau*.

——. See Beinert (C. C.) and Bronn (H. G.).

Gordon (Alexander). An historical and practical treatise upon Elemental Locomotion by means of Steam-carriages on common Roads. (Tract.) 8vo. *London*, 1832.

——. Observations addressed to those interested in either Rail-ways or Turnpike-roads, etc. (Tract.) 8vo. *London*, 1837.

——. Observations on Railway Monopolies, and remedial measures. (Tract.) 8vo. *London*, 1841.

——. See Serials, etc.: London. Journal of Elemental Locomotion.

Gordon (Lewis D. B.). Statement explanatory of a plan for preventing the spread of Explosions in Coal-mines. (Tract.) 4to. *Glasgow*, 1847.

Gore (George). The national importance of scientific Research. (Tract.) 8vo. *Birmingham*, 1873.

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See also Susani (Guido).

Gorresio (Gaspare). See Serials, etc.: Turin. Accademia delle Scienze.

Goss (Herbert). Three papers on fossil Insects, and the British and Foreign Formations in which Insect remains have been detected. 8vo. *London*, 1878–80.

——. The geological antiquity of Insects. Twelve papers on Fossil Entomology. 8vo. *London*, 1880.

Gosselet (Jules). Mémoire sur les terrains primaires de la Belgique, des environs d'Avesnes et du Boulonnais. 8vo. *Paris*, 1860.

——. Le système du poudingue de Burnot entre Dinant et Namur. (Tract.) 8vo. *Paris*, 1873.

——. Etudes sur le gisement de la Houille dans le nord de la France. (Tract.) 8vo. *Lille*, 1874.

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——. Description géologique du Canton de Maubeuge. (Tract.) 8vo. *Lille*, 1879.

—— and **Malaise** (C.). Observations sur le terrain silurien de l'Ardenne. (Tract.) 8vo. *Brussels*, 1868.

Gothe (J. F. W. von). Zur Kenntniss der böhmischen Gebirge. (Tract.) 8vo. *Jena*, 1817.

Gotthard Tunnel. See SWITZERLAND.

Gottschalck (Friedrich). Taschenbuch für Reisende in den Harz. 12mo. *Magdeburg*, 1817.

Götzinger (Wilhelm Lebrecht). Schandau und seine Umgebungen oder Beschreibung der sächsischen Schweiz. 8vo. *Dresden*, 1812.

Goubert (Emile). Note sur le gisement de Glos ; suivi de la description des fossiles du Coral-rag de Glos, par K. Zittel et Em. Goubert. (Tract.) 8vo. *Paris*, 1861.

——. See HÉBERT (Ed.).

Gould (Augustus A.). Descriptions of shells from the coast of Africa. (Tract.) 8vo. *Philadelphia*, 1845.

——. Expedition Shells : described for the work of the United States Exploring Expedition, commanded by Charles Wilkes, U.S.N., during the years 1838–1842. (Tract.) 8vo. *Boston*, 1846.

——. Report on the Invertebrata of Massachusetts. 2nd edition. Edited by W. G. Binney. 8vo. *Boston*, 1870.

——. See BLAKE (William P.).

Gould (Benjamin Apthorp, jun.). Report on the history of the discovery of Neptune. (Tract.) 8vo. *Washington*, 1850.

——. Reply to the 'Statement of the Trustees of the Dudley Observatory.' (Tract.) 8vo. *Albany*, 1859.

See also DUDLEY OBSERVATORY.

Gould (Charles). See REPORTS, COLONIAL. Tasmania.

Gould (John). See BEAGLE EXPEDITION.

Gould (Nathaniel). Sketch of the trade of British America. (Tract.) 8vo. *London*, 1833.

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Graah (W. A.). Narrative of an expedition to the east coast of Greenland under the command of Capt. W. A. Graah. Translated from the Danish by G. Gordon Macdougall. 8vo. *London*, 1837.

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Grabau (Enrico). Le miniere dell' Elba e l'industria del ferro in Italia. (Tract.) 8vo. *Leghorn*, 1860.

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Graells (Mariano de la Paz). Catalogo de los Moluscos terrestres y de agua dulce observados en España, &c. (Tract.) 8vo. *Madrid* and *Lima*, 1846.

——. Noticias sobre las larvas de las Agapanthias, que podran utilizarse en la historia general de este genero. (Tract.) 4to. *Madrid*, 1850.

Graffenauer (Jean Philippe). Essai d'une minéralogie économico-technique des départemens du Haut- et Bas-Rhin. 8vo. *Strasburg*, 1806.

——. See Peez (A. H.).

Graham (James D.). Annual report on the improvement of the harbours of Lakes Michigan, St. Clair, Erie, Ontario, and Champlain for the year 1860. 8vo. *Washington*, 1860.

——. See Surveys: Maryland, Pennsylvania, and United States.

Graham (Maria). See Callcott (Maria).

Grande de Lorenzana (Francisco). Breve conpendio del lamentable ynzendio del monte de Soma. (Tract.) 12mo. *Naples*, 1632.

Grand'Eury (F. Cyrille). Flore carbonifère du département de la Loire et du centre de la France. (3 parts.) 4to. *Paris*, 1877.

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Grant (Robert Edmond). Sketch of the scientific writings of Baron Cuvier. 8vo. *London*, 1830.

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——. Tabular view of the primary divisions of the Animal Kingdom, intended to serve as an outline of an Elementary Course of Recent Zoology (Cainozoölogy), or the natural history of existing animals. 8vo. *London*, 1861.

Granville (Augustus Bozzi). A reply to an article contained in the XXth number of the 'Journal of Science,' edited by W. T. Brande, purporting to be a review of Dr. Granville's 'Treatise on Prussic Acid.' (Tract.) 8vo. *London*, 1821.

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Gras (Albin). Description des Oursins fossiles du département de l'Isère, etc. (Tract.) 8vo. *Grenoble* and *Paris*, 1848.

——. Catalogue des corps organisés fossiles qui se rencontrent dans le département de l'Isère. (Tract.) 8vo. *Grenoble*, 1852.

Gras (Scipion). Statisque minéralogique du département de la Drôme. 8vo. *Grenoble*, 1835.

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Grateloup (Jean Pierre Silvestre de). Conchyliologie fossile du bassin de l'Adour, ou description des coquilles fossiles qui ont été trouvées dans les terrains marins tertiaires, aux environs de Dax. (Tract.)
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8vo. *Bordeaux*, 1838.

——. ——. 6e mémoire. Mémoire de géo-zoologie sur les coquilles fossiles de la famille des Néritacés, observées dans les terrains tertiaires du bassin de l'Adour, aux environs de Dax. (Tract.)
8vo. *Bordeaux*, 1840.

——. ——. Atlas, Vol. I. 4to. *Bordeaux*, 1840.

——. Mémoire sur les coquilles fossiles des mollusques terrestres et fluviatiles (de la classe des *Trachélipodes*) observées dans les terrains tertiaires du bassin de l'Adour, faisant suite à la conchyliologie fossile de ce bassin. (Tract.) 8vo. *Bordeaux*, 1838.

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——. See British Museum; Samarang Expedition; and Serials, etc., London: Zoological Miscellany.

Gray (Maria Emma). Figures of Molluscous Animals, selected from various authors. 4 vols. (Vol. I. in duplicate). 8vo. *London*, 1842–50.

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——. See British Association, Sheffield Guide-Book; and Surveys, England and Wales.

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——. Address to the Royal Geographical Society of London; delivered at the Anniversary Meeting, 1840. (Tract.) 8vo. *London*, 1840.

——. See Brochant de Villiers (A. J. M.).

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Gregory (William). Outlines of Chemistry for the use of students. 2 vols. 8vo. *London*, 1845.

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——. See TURNER (Edward).

Grenelle. Description du puits artésien de Grenelle. (Tract.) 8vo. *Paris*, 1840.

Grenfell (J. G.). Notes on Carboniferous Encrinites from Clifton and Lancashire. (Tract.) 8vo. *Bristol*, 1875.

Greppin (Jean Baptiste). Les sources du Jura bernois. (Tract.) 8vo. *Delémont*, 1866.

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——. See SURVEYS: SWITZERLAND. Matériaux pour la carte géologique de la Suisse.

Gressly (A.). Observations géologiques sur le Jura soleurois. 4to. *Neufchatel*, 1838.

——. See DESOR (E.).

Grewingk (C.). Beitrag zur Kenntniss der orographischen und geognostischen Beschaffenheit der Nord-West-Küste Amerikas mit den anliegenden Inseln. 8vo. *St. Petersburg*, 1850.

——. Die geognostischen und orographischen Verhältnisse des nördlichen Persiens. 8vo. *St. Petersburg*, 1853.

——. Geologie von Liv- und Kurland mit Inbegriff einiger angrenzenden Gebiete. 8vo. *Dorpat*, 1861.

——. Ueber *Hoplocrinus dipentas* und *Baerocrinus Ungerni*. (Tract.) 8vo. *Dorpat*, 1867.

Grewingk (C.). Ueber Eisschiebungen am Wörzjärw-See in Livland. (Tract.) 8vo. *Dorpat*, 1869.

——. Erläuterungen zur zweiten ausgabe der geognostischen Karte Liv-, Est- und Kurlands. (Tract.) 8vo. *Dorpat*, 1879.

Grey-Egerton (*Sir* Philip de Malpas). See Egerton (*Sir* Philip de Malpas Grey-).

Grierson's Museum. See Ramage (Craufurd Tait).

Griesbach (Karl Ludolf). Der Jura von St. Veit bei Wien. (Tract.) 8vo. *Vienna*, 1868.

——. Die Erdbeben in den Jahren 1867 und 1868. (Tract.) 8vo. *Vienna*, 1869.

Griffin (John Joseph). A system of Crystallography. 8vo. *Glasgow*, 1851.

Griffith (H.). Irenicon. A Lecture on Biblical Theology and Modern Culture. (Tract.) 8vo. *London*, 1878.

Griffith (J. W.) and **Henfrey** (Arthur). Micrographic Dictionary. 3rd edition. Edited by J. W. Griffith, P. Martin Duncan, M. J. Berkeley, and T. Rupert Jones. 8vo. *London*, 1875.

Griffith (*Sir* Richard). Geological and Mining Report on the Leinster Coal district. 8vo. *Dublin*, 1814.

——. Geological and Mining Survey of the Connaught Coal district. 2 vols. (text and atlas). 8vo. *Dublin*, 1818.

——. Report relative to the moving Bog of Kilmaleady in the King's County. (Tract.) 8vo. *Dublin*, 1821.

——. Outline of the Geology of Ireland. 4to. *Dublin*, 1838.

——. An Address delivered at the ninth Annual Meeting of the Geological Society of Dublin, 1840. (Tract.) 8vo. *Dublin*, 1840.

——. Notice respecting the fossils of the Mountain Limstone of Ireland, as compared with those of Great Britain, and also with the Devonian system. 4to. *Dublin*, 1842.

—— and **M'Coy** (Frederick). A synopsis of the Silurian fossils of Ireland. 4to. *Dublin*, 1846.

Griffith (William). Journals of travels in Assam, Burma, Bootan, Afghanistan, and the neighbouring countries. 8vo. *Calcutta*, 1847.

——. Itinerary notes of plants collected in the Khasyah and Bootan mountains, 1837–1838, in Afghanistan and neighbouring countries, 1839–1841. 8vo. *Calcutta*, 1848.

——. Palms of British East India. Fol. *Calcutta*, 1850.

——. Notulæ ad plantas Asiaticas. 8vo. *Calcutta*, 1847–54.

Grioni (Antonio). Sugli ittio-fito-schisti miocenici presso le miniere zolfifere della Sicilia. (Tract.) 8vo. *Caltanissetta*, 1869.

Grisebach (August Heinrich Rudolph). On Botanical Geography. Translated by W. B. Macdonald and George Busk. (Ray Society.) 8vo. *London*, 1846.

——. Report on Geographical Botany for 1844. (Ray Society.) 8vo. *London*, 1849.

——. Report on Geographical and Systematic Botany for 1845. (Ray Society.) 8vo. *London*, 1849.

Groddeck (A. von). Die Lehre von den Lagerstatten der Erze. 8vo. *Leipzig*, 1879.

Gronovius (Johann Friedrich). Index supellectilis lapideæ. Editio altera. 8vo. *Leyden*, 1750.

Gronow (Laurence Theodore). See BRITISH MUSEUM.

Groos (J. J.). See TEXAS.

Grooss (A.). See SURVEYS: HESSE.

Groot (Corn. de). Benoeming der Gesteenten aangenomen bij het mijnwezen in Nederlandsch Indie. 4to. *Buitenzorg*, 1864.

Groschke (John Gottlieb). See KLAPROTH (Martin Henry).

Grote (Augustus R.). Descriptions of Noctuidæ, chiefly from California. (Tract.) 8vo. *Washington*, 1878.

—— and **Pitt** (W. H.). Description of a new Crustacean from the Water Lime Group at Buffalo. (Tract.) 2 copies. 8vo. *Buffalo*, 1875.

Groth (P.). Physikalische Krystallographie und Einleitung in die krystallographische Kenntniss der wichtigeren Substanzen. 8vo. *Leipzig*, 1876.

——. Die Mineraliensammlung der Kaiser-Wilhelms-Universität Strassburg. Ein Supplement zu den vorhandenen mineralogischen Handbüchern. 4to. *Strasburg*, 1878.

Grouner (—). See GRUNER (G. S.).

Grove (W. R.). On the Correlation of Physical Forces. 8vo. *London*, 1846.

Grover (J. W.). Conversations with little Geologists on the six days of Creation, illustrated with a geological chart. 4to. *London*, 1878.

Gruber (Tobias). Briefe hydrographischen und physikalischen Inhalts aus Krain. (Tract.) 8vo. *Vienna*, 1781.

——. See JIRASEK (Johann).

Gruithuisen (Franz von Paula). Kritik der neuesten Theorieen der Erde, etc. (Tract.) 8vo. *Landshut*, 1838.

Gruner (Emanuel L.). Texte explicatif de la nouvelle carte du Bassin Houiller de la Loire. (Tract.) 8vo. *St. Etienne*, 1847.

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Gruner (Gottlieb Sigmund). Histoire naturelle des glaciers de Suisse. Traduction libre d'allemand par M. de Kératio. 4to. *Paris*, 1770.

——. Versuch eines Verzeichnisses der Mineralien des Schweizerlandes. 8vo. *Berne*, 1775.

——. Histoire naturelle de la Suisse dans l'ancien monde. Traduite de l'allemand (par Dulon Ministre). 8vo. *Neufchatel*, 1776.

Grünewaldt (M. von). Ueber die Versteinerungen der silurischen Kalksteine von Bogosslowsk. 4to. *St. Petersburg*, 1854.

de Malves (Jean Paul de). Projet d'ouverture et d'exploitation de minières et mines d'or et d'autres métaux, aux environs du Cézé, du Gardon, de l'Eraut, et d'autres rivières du Languedoc, de la Comté de Foix, du Rouergue . . . . etc. (Tract.) 8vo. *Paris*, 1764.

Guadeloupe. Rapport fait aux citoyens Victor Hugues et Lebas, agens particuliers du Directoire Exécutif aux Isles du Vent, par la commission pour examiner la situation du Volcan de la Guadeloupe. 4to. *Guadeloupe*, 1797.

——. ——. English translation. 4to. MS., 1814.

Gualandris (Angelo). Lettere Odeporiche. 8vo. *Venice*, 1780.

Gualterius (Nicolaus). Index Testarum conchyliorum quæ adservantur in Museo Nicolai Gualtieri. Fol. *Florence*, 1742.

Guer (J. A.). See MAILLET (Benoît de).

Guerne (Jules de). See BARROIS (Charles).

Guettard (Jean Etienne). Nouvelle collection de mémoires sur différentes parties intéressantes des sciences et arts. 4to. *Paris*, 1786.

—— and **Monnet** (A. G.). Atlas et description minéralogiques de la France. 1^e^ partie. Fol. *Paris*, 1780.

Gueymard (A. G.). Sur la Géologie et la Minéralogie de l'île de Corse. (Tract.) 8vo. *Paris*, 1824.

Guidott (Thomas). De thermis Britannicis tractatus, accesserunt observationes Hydrostaticæ, Chromaticæ, et Miscellaneæ. 4to. *London*, 1691.

Guidotti (Gio. Battista). Memoria fisico-chimica sulle pietre cadute dall' atmosfera. (Tract.) 8vo. *Parma*, 1808.

Guiet (E. L.). Essai de Géologie rationelle. (Tract.) 8vo. *Le Mans*, 1850.

——. Première lettre géologique. (Tract.) 4to. *Mamers*, 1857.

Guilbert (L.). See LENTILHAC (E. de).

Guillemin (E.). See BERTHIER (P.).

Guinand (P. L.). Biographical Notice. See R * * * (E.).

Guiscardi (Guglielmo). Fauna fossile Vesuviana. (Tract.) 8vo. *Naples*, 1856.

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Guise (*Sir* W. V.). Annual Address to the Cotteswold Naturalists' Field-Club, read at Tewkesbury on the 26th February 1861. (Tract.) 8vo. *Gloucester*, 1861.

Guiteras (Eusebio). Guia de la Cueva de Bellamar. [A Guide to the Cave of Bellamar.] (Tract.) 8vo. *Matanzas*, 1863.

Guldberg (C. M.) and **Waage** (P.). Etudes sur les affinités chimiques. (Tract.) 4to. *Christiania*, 1867.

Gumælius (Otto). See SURVEYS: SWEDEN.

Gümbel (Carl Wilhelm). Geognostische Beschreibung des bayerischen Alpengebirges und seines Vorlandes. (Geognostische Beschreibung des Königreichs Bayern, Abtheil. I.) 8vo. *Gotha*, 1861.

——. Geognostische Beschreibung des ostbayerischen Grenzgebirges, oder des bayerischen und oberpfälzer Waldgebirges. (Geognostische Beschreibung des Königreichs Bayern, Abtheil. II.) 8vo. *Gotha*, 1868.

——. Geognostische Beschreibung des Fichtelgebirges mit dem Frankenwalde und dem westlichen Vorlande. (Geognostische Beschreibung des Königreichs Bayern, Abtheil. III.) 8vo. *Gotha*, 1879.

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Gumprecht (Thaddäus Eduard). Beiträge zur geognostischen Kenntniss einiger Theile Sachsens und Böhmens. 2 copies. 8vo. *Berlin*, 1835.

——. ——. Fortsetzung. (Tract.) 4to. *Munich*, 1836.

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——. See SERIALS, ETC.: NORWICH: Geological Society.

Gunn (W.). See SURVEYS: ENGLAND AND WALES.

Günther (Albert Carl L. G.). The Reptiles of British India. (Ray Society.) 4to. *London*, 1864.

——. Contributions to our Knowledge of the Fish-fauna of the Tertiary Deposits of the Highlands of Padang, Sumatra. (Tract.) 8vo. *London*, 1876.

——. See BRITISH MUSEUM and SURVEYS: GREAT BRITAIN.

Günther (W.), **Büttner** (R.), and **Rothkirch** (H. von). Grundzüge der schlesischen Klimatologie. (Tract.) 4to. *Breslau*, 1857.

Guppy (R. J. Lechmere). On the occurrence of Foraminifera in the Tertiary Beds at San Fernando, Trinidad. (Tract.) 8vo. *Port-of-Spain*, 1863.

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—— On the West Indian Tertiary Fossils. (Tract.) 8vo. *London*, 1874.

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Gurley (R. R.). Report on Liberia. (Tract.) 8vo. *Washington*, 1850.

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——. See SURVEYS: HESSE.

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Gutbier (L. and C. A. von). Die Sandformen der Dresdner Haide bezogen auf das Elbbassin. 8vo. *Dresden*, 1865.

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Guyton de Morveau (Louis Bernard), **Lavoisier** (A. L.), **Bertholet** (C. L.), and **Fourcroy** (A. F.). Méthode de Nomenclature chimique. On a joint un nouveau système de caractères chimiques, adaptés à cette nomenclature, par MM. Hassenfratz et Adet. 8vo. *Paris*, 1787.

Gygax (Rudolph). See REPORTS, PARLIAMENTARY. Ceylon.

Györy (Sándor). A' felsöbb Analysis' elemei. Füzet 1 & 2. 4to. *Budapesth*, 1836–40.

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Gysser (Aug.). Die Mollusken-Fauna Baden's. (Tract.) 8vo. *Heidelberg*, 1863.

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Hacquet (Balth.). Oryctographia Carniolica, oder physikalische Erdbeschreibung des Herzogthums Krain, Istrien und zum Theil der benachbarten Länder. 4 vols. 4to. *Leipzig*, 1778–89.

——. Nachricht von Versteinerungen von Schalthieren, die sich in ausgebrannten feuerspeyenden Bergen finden . . . herausgegeben und mit Anmerkungen vermehrt von J. S. Schröter. (Tract.) 8vo. *Weimar*, 1780.

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Hahn (Otto). Giebt es ein *Eozoon canadense*? Eine mikrogeologische Untersuchung. (Tract.) 8vo. *Stuttgart*, 1876.

——. Die Urzelle, nebst dem Beweis dass Granit, Gneiss, Serpentin, Talk, gewisse Sandsteine, auch Basalt, endlich Meteorstein und Meteoreisen aus Pflanzen bestehen. 8vo. *Tübingen*, 1879.

Haidinger (Karl). Systematische Eintheilung der Gebirgsarten. (Tract.) 4to. *Vienna*, 1787.

Haidinger (Wilhelm von). Biographical Notice. See Hauer (Franz von).

——. On the Crystallization of Copper Pyrites. (Tract.) 8vo. *Edinburgh*, 1822.

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——. See Archiac (A. d'), Bellardi (Luigi), and Edwards (Henri Milne).

Haldeman (S. S.). See Melsheimer (Friedrich Ernst).

Haliburton (R. G.). New Materials for the History of Man, derived from the Calendars and Festivals of Nations. No. II. Astronomical Features in the Mosaic Cosmogony. (Tract.) (3 copies.) 8vo. *Halifax, N. S.*, 1864.

Hall (Basil). Account of a Voyage of Discovery to the West Coast of Corea, and the great Loo-Choo Island, with . . . a Vocabulary of the Loo-Choo Language, by H. J. Clifford, Esq. 4to. *London*, 1818.

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Hall (Edward Swarbeck). See Exhibition of 1862 (London). Tasmania.

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Halliday (Alexander H.). See Serials etc. London, Ray Society; and Wagner (A.).

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Hammersmith, etc. Well-borings at Hammersmith and Chiswick. (Tract.) MS., no date.

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——. See Sauvage (H. Em.).

Hancock (Albany). See Alder (Joshua).

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Hanley (Sylvanus). See Forbes (Edward).

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Hanson (Richard Davies). Science and Theology. (Tract.) 8vo. *London*, 1864.

Hansteen (Christopher). Untersuchungen über den Magnetismus der Erde. Uebersetzt von P. Treschow Hanson. Theil I. 4to. *Christiania*, 1819.

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4to. *Munich*, 1860.

Harmer (F. W.). The 'Testimony of the Rocks' in Norfolk. A popular description of the geology of the county. (Tract.)
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Hartt (Charles Frederick). Scientific Results of a Journey in Brazil. By Louis Agassiz &c. Geology and Physical Geography of Brazil. 8vo. *Boston* and *London*, 1870.

——. Contributions to the Geology and Physical Geography of the Lower Amazons. The Ereré-Monte-Alegre district and the Table-topped Hills. (Morgan Expeditions, 1870–71.) (Tract.) 8vo. *Buffalo*, 1874.

——. See AGASSIZ (Louis). See also RATHBUN (Richard).

Hartung (George). Die Azoren in ihrer äusseren Erscheinung und nach ihrer geognostischen Natur; mit Beschreibung der fossilen Reste von Prof. H. G. Bronn. 8vo; Atlas, 4to. *Leipzig*, 1860.

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Hartung (George). Geologische Beschreibung der Inseln Madeira und Porto Santo. Mit dem systematischen Verzeichnisse der fossilen Reste dieser Inseln und der Azoren von Karl Mayer. 8vo. *Leipzig*, 1864.

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Hassard (Richard). See Hemans (George Willoughby).

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——. See MEEK (F. B.), YELLOWSTONE PARK, and SURVEYS: UNITED STATES, and U.S. SURV. OF TERR.

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——. Réponse à MM. Marcou et Chaper à propos de la discussion sur l'âge des calcaires à *Terebratula diphya* de la Porte-de-France. (Tract.) 8vo. *Paris*, 1869.

——. Examen de quelques points de la géologie de la France méridionale. (Tract.) 8vo. *Paris*, 1870.

——. Note sur les grès infraliasiques de Scanie, Suède. (Tract.) 8vo. *Paris*, 1870.

——. Le néocomien inférieur dans le midi de la France (Drôme et Basses-Alpes.) (Tract.) 8vo. *Paris*, 1871.

——. Documents relatifs au terrain crétacé du midi de la France. 2me partie. (Tract.) 8vo. *Paris*, 1872.

——. L'étage tithonique et la nouvelle école allemande. (Tract.) 4to. *Paris*, 1872.

——. Observations relatives au résumé présenté par M. H. Magnan, de son travail sur la partie inférieure du terrain crétacé des Pyrénées. (Tract.) 8vo. *Paris*, 1872.

——. Ondulations de la craie dans le bassin de Paris. (Tract.) 8vo. *Paris*, 1872–73.

——. Allocution présidentielle [à la Société géologique de France], Avril, 1873. (Tract.) 8vo. *Paris*, 1873.

——. Comparaison de l'éocène inférieur de la Belgique et de l'Angleterre avec celui du bassin de Paris. (Tract.) 8vo. *Paris*, 1873.

——. Nouveaux documents relatifs à l'étage tithonique et à la zone à *Ammonites polyplocus*. (Tract.) 8vo. *Paris*, 1873.

——. Age relatif des calcaires à *Terebratula moravica* et du *Diphya*-kalk, ou calcaire à *T. janitor* et *T. diphya*. (Tract.) 8vo. *Paris*, 1874.

——. Comparaison de la Craie des côtes d'Angleterre avec celle de France. (Tract.) 8vo. *Paris*, 1874.

——. Rectifications et additions au mémoire de MM. Hébert et Toucas sur la géologie du bassin d'Uchaux. (Tract.) 8vo. *Paris*, 1874.

——. Classification du terrain crétacé supérieur. (Tract.) 8vo. *Paris*, 1875.

——. Description de deux espèces d'*Hemipneustes* de la craie supérieure des Pyrénées. (Tract.) 8vo. *Paris*, 1875.

——. Observations sur le travail de M. Pillet relatif à la colline de Lémenc. (Tract.) 8vo. *Paris*, 1875.

——. Ondulations de la craie du nord de la France. Troisième partie, et sommaire. (Tracts.) 8vo. *Meulan*, 1875–76.

——. La craie de Crimée comparée à celle de Meudon et à celle de l'Aquitaine. (Tract.) 8vo. *Paris*, 1876.

——. Sur la position exacte de la zone à *Heterodiadema libycum*. (Tract.) 8vo. *Paris*, 1876.

——. Notice sur *ses* travaux scientifiques. (Tract.) 4to. *Paris*, 1877.

Hébert (Edmond). Recherches sur les terrains tertiaires de l'Europe méridionale. (Tract.) 4to. *Paris*, 1877.

——. Sur la craie supérieure des Pyrénées. Réponse à M. Leymerie. (Tract.) 8vo. *Paris*, 1877.

——. Quelques remarques sur les gisements de la *Terebratula janitor*. (Tract.) 8vo. *Paris*, 1878.

——. Notice sur Paul Dalimier, vice-secrétaire de la Société géologique de France. (Tract.) 8vo. *Paris*, 1864.

——. See Renevier (E.) and Zittel (Karl).

—— and **Eudes-Deslongchamps** (Eugène). Mémoire sur les fossiles de Montreuil-Bellay, Maine-et-Loire. (Tract.) 8vo. *Paris* and *Caen*, 1860.

—— and **Munier-Chalmas** (—). Réponse aux observations de M. de Loriol. (Tract.) 8vo. *Paris*, 1875.

—— ——. Terrains tertiaires de la Hongrie. (Tract.) 4to. *Paris*, 1877.

—— ——. Nouvelles recherches sur les terrains tertiaires du Vicentin. (Tracts.) 4to. *Paris*, 1878.

—— and **Renevier** (E.). Description des fossiles du terrain nummulitique supérieur des environs de Gap, des Diablerets et de quelques localités de la Savoie. (Tract.) 8vo. *Grenoble*, 1854.

Hector (James). On the Geology of the Country between Lake Superior and the Pacific Ocean. (Tract.) 8vo. *London*, 1861.

——. First General Report on the Coal Deposits of New Zealand. (Geological Survey.) (Tract.) 8vo. *New Zealand*, 1866.

——. See Reports, Colonial. New Zealand.

—— and **Vaux** (W. S. W.). Notice of the Indians seen by the Exploring Expedition under the command of Captain Palliser. (Tract.) 8vo. (*Edinburgh*?), 1861.

Hedinger (J. M.). A short Description of Castleton, in Derbyshire; its natural curiosities and mineral productions. 9th edition. (Tract.) 8vo. *Derby*, no date.

Hedley (John). See Reports, Parliamentary. Mines.

Heelis (—). On a Fog in the Mediterranean. (Tract.) 8vo. ...1863?

Heer (Oswald). Die Insektenfauna der Tertiärgebilde von Oeningen und von Radoboj in Croatien. 4to. *Leipzig*, 1847.

——. Beschreibung der angeführten Pflanzen und Insekten [der Vorarlberger Kalkalpen]. (Tract.) 4to. *Geneva*, 1853.

——. Uebersicht der Tertiärflora der Schweiz. (Tract.) 2 copies. 8vo. *Zurich*, 1853

——. Flora tertiaria Helvetiæ. 4to. *Winterthur*, 1855–59.

——. Lettre à Sir Charles Lyell [Sur les plantes fossiles de la Suisse]. Traduite par C. T. Gaudin. (Tract.) 8vo. *Lausanne*, 1856.

——. Die Schieferkohlen von Utznach und Dürnten. (Tract.) 8vo. *Zurich*, 1858.

——. Les charbons feuilletés de Dürnten et d'Utznach, Traduit par Charles Th. Gaudin. (Tract.) 8vo. *Geneva*, 1858.

——. Beiträge zur nähern Kenntniss der sächsisch-thüringischen Braunkohlen-Flora; nebst einem Anhange über einige siebenbürgische Tertiärpflanzen von C. J. Andrae. (Tract.) 4to. *Berlin*, 1861.

Heer (Oswald). Recherches sur le climat et la végétation du pays tertiaire. Traduction de C. T. Gaudin. 4to. *Winterthur*, *Geneva*, and *Paris*, 1861.

——. Ueber die von Dr. Lyell in Grönland entdeckten fossilen Pflanzen. (Tract.) 8vo. *Zurich*, 1862.

——. Die Pflanzen der Pfahlbauten. (Tract.) 4to. *Zurich*, 1865.

——. Die Urwelt der Schweiz. 2 copies. 8vo. *Zurich*, 1865.

——. Le monde primitif de la Suisse. Traduite de l'allemand par Isaac Demole. 8vo. *Geneva* and *Basle*, 1872.

——. The Primæval World of Switzerland. Edited by James Heywood. 2 vols. 8vo. *London*, 1876.

——. Fossile Hymenopteren aus Oeningen und Radoboj. (Tract.) 4to. *Zurich*, 1867.

——. Flora fossilis Arctica. Die fossile Flora der Polarländer. Vols. I.–V. (Vol. III., wanting title-page, in duplicate.) 4to. *Zurich*, 1868–1878.

——. Beiträge zur Naturkunde Preussens. (2) Miocene baltische Flora. 4to. *Königsberg*, 1869.

——. Ueber die Braunkohlenpflanzen von Börnstadt. (Tract.) 4to. *Halle*, 1869.

——. Die miocene Flora und Fauna Spitzbergens. 4to. *Stockholm*, 1870.

——. Anmärkningar öfver de af svenska Polarexpeditionen 1872–73 upptäckte fossila växter. (Tract.) 8vo. *Stockholm*, 1874.

——. Beiträge zur Steinkohlen-Flora der arctischen Zone. 4to. *Stockholm*, 1874.

——. Ueber fossile Pflanzen von Sumatra. (Schw. paläont. Gesellschaft.) 4to. *Basle* and *Geneva*, 1875–18 . . .

——. Flora fossilis Helvetiæ. Die vorweltliche Flora der Schweiz. 1te Lieferung. Die Steinkohlenflora. (Tract.) 4to. *Zurich*, 1876.

——. Ueber fossile Früchte der Oase Chargeh. (Tract.) 4to. *Zurich*, 1876.

——. Ueber die Aufgaben der Phyto-Paläontologie. (Tract.) 8vo. 1879.

——. See Capellini (Giovanni), and Pengelly (William).

—— and **Escher von der Linth** (A.) Zwei geologische Vorträge: 1. Ueber die Lias-Insel im Aargau. 2. Ueber die Gegend von Zürich in der letzten Periode der Vorwelt. (Tract.) 4to. *Zurich*, 1852.

Hehl (—). Die geognostischen Verhältnisse Württembergs. 12mo. *Stuttgart*, 1850.

Heim (Albert). Untersuchungen über den Mechanismus der Gebirgsbildung im Anschluss an die geologische Monographie der Tödiwindgällen-Gruppe. 2 vols. and Atlas. 4to. *Basle*, 1878.

——. Ueber die Verwitterung im Gebirge. (Tract.) 8vo. *Basle*, 1879.

Heim (Johann Ludwig). Kurze Uebersicht des Thüringerwaldes, etc. 3 vols. 8vo. *Meiningen*, 1796–1812.

Helfer (John William). Amherst Town, in the Tenasserim Provinces. Fol. *Calcutta*, 1837.

——. Second Report. The provinces of Ye, Tavoy, and Mergue on the Tenasserim coast. (Tract.) Fol. *Calcutta*, 1839.

Helfer (John William). Fourth Report on the Tenasserim Provinces considered as a resort for Europeans. (Tract.) 8vo. *Calcutta*, 1840 ?

Helfrecht (I. Th. B.) Das Fichtel-Gebirge, nach vielen Reisen auf demselben. 2 vols. 2 copies. 8vo. *Hoff*, 1799–1800.

Helland (Amund). Ertsforekomster i Sondhordland og paa Karmoen. (Tract.) 8vo. *Christiania*, 1871.

——. Forekomster af Kise i visse skifere i Norge. Udgivit ved E. B. Münster. 4to. *Christiania*, 1873.

Heller (Camil). Untersuchungen über die Litoralfauna des adriatischen Meeres. (Tract.) 8vo. *Vienna*, 1862.

——. Die Zoophyten und Echinodermen des adriatischen Meeres. [Beilage der zool.-botan. Gesellschaft in Wien.] 8vo. *Vienna*, 1868.

Hellwald (— de). Report on the Results of the Photographic Expedition into the "Hohen Tauern" (Austrian Alps). (Tract.) 8vo. *Vienna*, 1863.

Helmersen (Gregor von). Biographical notice. See Köppen (A.).

——. Reise nach dem Ural und der Kirgisensteppe in den Jahren 1833 und 1835. (Beiträge zur Kenntniss des russischen Reichs, etc., von K. E. von Baer und Gr. von Helmersen; 6tes Bändchen.) (Tract.) 8vo. *St. Petersburg*, 1843.

——. Ueber die geognostische Beschaffenheit des Ustürt und insbesondere dessen östlichen Abfalles zum Aral-See. (Tract.) 8vo. *St. Petersburg*, 1845.

——. *Aulosteges variabilis*, ein neuer Brachiopode mit artikulirtem Schlosse, aus dem Zechstein Russlands. (Tract.) 8vo. *St. Petersburg*, 1847.

——. Nachrichten über die im J. 1847, von der russischen geographischen Gesellschaft ausgesandte Expedition zur Erforschung des nördlichen Ural. (Tract.) 8vo. *St. Petersburg*, 1847.

——. Herrn von Middendorff's geognostische Beobachtungen auf seiner Reise durch Sibirien. (Tract.) 4to. *St. Petersburg*, 1848.

——. Versuche die relative Wärmeleitungsfähigkeit einiger Felsarten zu ermitteln. Extract. (Tract.) 8vo. *St. Petersburg*, 1852.

——. Ueber das langsame Emporsteigen der Ufer des baltischen Meeres und die Wirkung der Wellen und des Eises auf dieselben. (Tract.) 8vo. *St. Petersburg*, 1855.

——. Ueber die Bohrarbeiten auf Steinkohle bei Moskau und Sserpuchow. (Tract.) 8vo. *St. Petersburg*, 1857.

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——. Die Salzseen Bessarabiens und der Einbruch des schwarzen Meeres in dieselben im Jahre 1850. (Tract.) 8vo. *St. Petersburg*, 1859.

——. Beschreibung einiger Massen gediegenen Kupfers, die aus russischen Bergwerken herstammen, etc. (Tract.) 8vo. *St. Petersburg*, 1860.

——. Das Olonezer Bergrevier, geologisch untersucht in den Jahren 1856, 1857, 1858, und 1859. (Tract.) 4to. *St. Petersburg*, 1860.

Helmersen (Gregor von). Die geologische Beschaffenheit des untern Narovathals und die Versandung der Narovamündung. (Tract.) 8vo. *St. Petersburg*, 1860.

——. Die in Angriff genommenen Steinkohlenlager des Gouvernements Tula. (Tract.) 4to. *St. Petersburg*, 1860.

——. Noch ein Wort über die Tulaer Steinkohle. (Tract.) 8vo. *St. Petersburg*, 1861.

——. Die Alexandersäule zu St. Petersburg. (Tract.) 2 copies. 8vo. *St. Petersburg*, 1863.

——. Der artesische Brunnen zu St. Petersburg. (Tract.) 8vo. *St. Petersburg*, 1864.

——. Die Geologie in Russland. (Tract.) 2 copies. 8vo. *St. Petersburg*, 1864.

——. Der Peipussee und die obere Narova. (Tract.) 8vo. *St. Petersburg*, 1864.

——. Das Donezer Steinkohlengebirge und dessen industrielle Zukunft. (Tract.) 8vo. *St. Petersburg*, 1865.

——. Explications de la carte géologique de la Russie. (Tract.) 8vo. *St. Petersburg*, 1865.

——. Ueber die geologischen und physikalischen Verhältnisse St. Petersburgs. (Tract.) 8vo. *St. Petersburg*, 1865.

——. Des gisements de charbon de terre en Russie. (Tract.) 8vo. *St. Petersburg*, 1866.

——. Die Steinkohlenformation des Urals und deren praktische Bedeutung. (Tract.) 8vo. *St. Petersburg*, 1866.

——. Ueber Herrn Eichwalds Bemerkungen zu den geologischen Karten Russlands. (Tract.) 8vo. *Moscow*, 1866.

——. Bericht über eine Arbeit von Hrn. Goebel: Untersuchungen über den einst an der lappländischen Küste stattgefundenen Bergbau. (Tract.) 8vo. *St. Petersburg*, 1867.

——. Das Vorkommen und die Entstehung der Riesenkessel in Finnland. (Tract.) 4to. *St. Petersburg*, 1867.

——. Die Bohrversuche zur Entdeckung von Steinkohlen auf der Samarahalbinsel, und die Naphthaquellen und Schlamm-Vulkane bei Kertsch und Taman. (Tract.) 8vo. *St. Petersburg*, 1867.

——. Die Steinkohlen des mittleren Russlands, ihre Bedeutung und ihre Zukunft. (Tract.) 8vo. *St. Petersburg*, 1867.

——. [Ueber die 'Beitrag zur Geschichte der Geognosie und Paläontologie in Russland' von Herrn Eichwald.] (Tract.) 8vo. *Moscow*, 1867.

——. Zur Frage über das behauptete Seichterwerden des Asow'schen Meeres. (Tract.) 8vo. *St. Petersburg*. 1867.

——. Ueber devonische Steinkohle in Malöwka. (Tract.) 8vo. *St. Petersburg*, 1868.

——. Studien über die Wanderblöcke und die Diluvialgebilde Russlands. (Tract.) 4to. *St. Petersburg*, 1869.

——. Ueber die Braunkohlenlager bei Smela im Gouvernement Kijew und bei Jelisawetgrad im Gouvernement Cherson. (Tract.) 8vo. *St. Petersburg*, 1869.

Helmersen (Gregor von). Notiz über die Berge Ak-tau und Kara-tau auf der Halbinsel Mangyschlac, am Ostufer des kaspischen Meeres. (Tract.) 8vo. *St. Petersburg*, 1870.

——. Zur Steinkohlenangelegenheit in Russland. 2ter Artikel. (Tract.) Newspaper cutting. *St. Petersburg*, 1870

——. Sir Roderick Impey Murchison. (Tract.) 8vo. *St. Petersburg*, 1872.

——. Chiwa. (Tract.) 8vo. *St. Petersburg*?, 1873.

——. Einige Erwägungen über die Bedeutung der Steinkohlen-Industrie in Russland. (Tract.) 4to. *Vienna*, 1875.

——. Zur Frage über die centralrussische Steinkohle. (Tract.) 8vo. *St. Petersburg*, 1879.

——. See Baer (C. E. von), Brandt (J. F.), Hofmann (E.), and Nöschel (A.).

—— and **Wild** (H.). De la diminution de l'eau des rivières et des fleuves. (Tract.) 4to. *St. Petersburg*, 1876.

Helms (Antoine Zacharie). Voyage dans l'Amérique méridionale, commençant par Buénos-Ayres et Potosi jusqu'à Lima. Traduit de l'anglais. 8vo. *Paris*, 1815.

Helwing (Georg Andreas). Lithographia Angerburgica, sive lapidum et fossilium, in districtu Angerburgensi et ejus vicinia, etc. Sm. 4to. *Königsberg*, 1717.

Hemans (George Willoughby) and **Hassard** (Richard). On the Future Water-supply. (Tract.) 2 copies. 8vo. *London*, 1866.

Hemming (John). The History and Chemical Analysis of the Mineral Water lately discovered in the City of Gloucester, etc. (Tract.) 8vo. *London*, 1789.

Hemsö (Jacopo Gråberg da). Cenni sull' agricoltura e l'industria dell' Africa francese, etc. (Tract.) 8vo. *Florence*, 1847.

——. Cenni storici iponomici e statistici sulla miniera de rame detta la cava di Caporciano presso Montecatini nella valle di Cecina. (Tract.) 8vo. *Florence*, 1847.

Henfrey (Arthur). Reports and Papers on Botany. (Ray Society.) 8vo. *London*, 1849.

——. See Braun (A.), Griffith (J. W.), Nägeli (Carl), and Serials, etc.: London. Ray Society.

Henkel (Johann Friedrich). Idea generalis de lapidum origine per observationes experimenta et consectaria succincte adumbrata. (Tract.) 2 copies. 8vo. *Dresden* and *Leipzig*, 1734.

Hennah (Richard). A succinct account of the lime-rocks of Plymouth. 8vo. *Plymouth* and *London*, no date.

Hennessy (Henry). Abstract of Papers read before the Geological Society of Dublin. (Tract.) 8vo. *Dublin*, 1849?

——. Researches in Terrestrial Physics. (Tract.) 4to. *London*, 1851.

——. Notes on Meteorology. (Tract.) 8vo. *Dublin*, 1856.

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——. On the Physical Structure of the Earth. (Tract.) 8vo. *London*, 1858.

——. On the Thickness and Structure of the Earth's Crust. (Tract.) 8vo. *London*, 1859.

Hennessy (Henry). Terrestrial Climate as influenced by the Distribution of Land and Water at different geological Epochs. (Tract.) 8vo. *Dublin*, 1859.

——. Note on the Laws which regulate the Distribution of Isothermal Lines. (Tract.) 8vo. *Dublin*, 1859.

——. The Relations of Science to Modern Civilization. (Tract.) 8vo. *Leeds*, 1862.

——. On the Floatation of Sand by the rising Tide in a tidal Estuary. (Tract.) 8vo. *Dublin*, 1871.

Henrich (F.). Vorträge über Geologie. Heft 1–3. 8vo. *Wiesbaden*, 1877–78.

Henry (James). Æneidea, or critical, exegetical, and æsthetical remarks on the Æneis. Vol. I. and portion of vol. II. 8vo. *London*, *Edinburgh*, and *Dublin*, 1873–78.

Henry (Joseph). Sketch of *his* life and contributions to science. (Tract.) 8vo. *Washington*, 1879.

——. Meteorology in its connection with Agriculture. (Tract.) 8vo. *Washington*, 1858.

——. Thoughts on Education. (Tract.) 8vo.

Henry (William). Analysis of several Varieties of British and foreign Salt. (Tract.) 4to. *London*, 1810.

——. The Elements of Experimental Chemistry. 6th edition. 2 vols. 8vo. *London*, 1810.

——. An Estimate of the Philosophical Character of Dr. Priestley. (Tract.) 8vo. *New York*, 1832.

Henslow (George). Genesis and Geology 8vo. *London*, 1871.

Henslow (John Stevens). Biographical notice. See JENYNS (Leonard).

——. Geological Description of Anglesea. (Tract.) 4to. *Cambridge*, 1822.

——. A syllabus of a course of lectures on mineralogy. 8vo. *Cambridge*, 1823.

——. On the examination of a hybrid *Digitalis*. (Tract.) 4to. *Cambridge*, 1831.

——. Catalogue of *his* valuable and extensive collections of natural history and miscellaneous articles. (Tract.) 8vo. *London*, 1861.

Hentz (Nicholas Marcellus). Spiders of the United States. (Occasional papers of the Boston Society of Natural History, No. II.) 8vo. *Boston*, 1875.

Henwood (George). Four Lectures on Geology and Mining. 8vo. *London*, 1855.

Henwood (William Jory). A Lecture on the Phenomena of Metalliferous Veins. Newspaper extract. *Truro*, 1836.

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——. ——, 1870. (Tract.) 8vo. *Penzance*, 1870.

——. ——, 1871. (Tract.) 8vo. *Penzance*, 1871.

——. Remarques sur les gisements métallifères du Cornwall; Traduction par E. Morineau. (Tract.) 8vo. *Paris*, 1872.

——. Observations on the detrital Tin-ore of Cornwall. 8vo. *Truro*, 1873.

——. Remarques sur le minerai d'étain détritique du Cornwall. Traduction, par extraits, par M. Zeiller. (Tract.) 8vo. *Paris*, 1874.

Herald Expedition. The Zoology of the Voyage of H.M.S. 'Herald.' Vertebrata, including Fossil Mammals, by John Richardson. 4to. *London*, 1854.

Herbert (J. D.) Report of the Mineralogical Survey of the Himmalaya Mountains lying between the Rivers Sutlej and Kalee. (Tract.) 8vo. *Calcutta*, 1842.

Hereford (Herbert), *Bishop of.* See CROFT (Herbert).

Héricart de Thury (Louis Etienne François). Considérations générales sur les vestiges fossiles de végétaux du sol des environs de Paris. (Tract.) 8vo. *Paris*, 1814.

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——. Rapport sur le concours pour le percement des puits forés à l'effet d'obtenir des eaux jaillissantes applicables aux besoins de l'agriculture. (Tract.) 8vo. *Paris*, 1831.

—— and **Brongniart** (Alex.). Rapport . . . sur un mémoire relatif à la géologie des environs de Fréjus, par C. Texier. (Tract.) 8vo. *Paris*, 1833.

Héricart-Ferrand (*Vicomte*). Sur un terrain d'eau douce superficiel et les terrains qui lui sont inférieurs, entre les rivières d'Aisne et d'Ourcq. (Tract.) 8vo. *Paris*, 1821.

——. Itinéraire géognostique de Fontainebleau à Château-Landon, et composition du sol de la plaine de Château-Landon. (Tract.) 8vo. *Paris*, 1826.

Herklots (James Adrian). Fossiles de Java. Part 4. Echinodermes. 4to. *Leyden*, 1854.

Hermann (Benedikt Franz Johann von). Versuch einer mineralogischen Beschreibung des uralischen Erzgebürges. 2 vols. 8vo. *Berlin* and *Stettin*, 1789.

——. Mineralogische Reisen in Sibirien von 1783 bis 1796. (No title.) 3 vols. and plates. 4to. 1797–1801.

——. Die Wichtigkeit des russischen Bergbaues. (Tract.) 4to. *St. Petersburg*, 1810.

——. Ueber die Bewegung der Bevölkerung im Königreiche Bayern. (Tract.) 4to. *Munich*, 1853.

——. Ueber die Gliederung der Bevölkerung des Königreichs Bayern. (Tract.) 4to. *Munich*, 1855.

——. Ueber den Anbau und Ertrag des Bodens im Königreiche Bayern. I. Abtheilung. (Tract.) 4to. *Munich*, 1857.

Hermann (Gottfried). See Flügel (J. G.).

Hermann (Rudolph). Untersuchungen einiger russischer Mineralien. (Tract.) 8vo. *Leipzig*, 1844.

Hermelin (S. G.). Lappmarken och Vesterbotten. See Wahlenberg (Göran).

Hernandez (James). A Philosophical and Practical Essay on the Gold and Silver Mines of Mexico. Translated from the Spanish. (Tract.) 8vo. *London*, 1755.

Héron de Villefosse (Antoine Marie). De la Richesse minérale. Considérations sur les mines, usines et salines des différent états, présentées comparativement, etc. 3 vols. 4to ; Atlas, fol. *Paris*, 1819.

——. Rapport fait au jury central de l'exposition des produits de l'industrie française, de l'année 1823, sur les objets relatifs à la métallurgie, etc. (Tract.) 8vo. *Paris*, 1823.

Herrgen (Christiano). See Widenmann (Johann Friedrich Wilhelm).

Herrmannsen (A. N.). Indicis generum Malacozoorum primordia. 2 vols. 8vo. *Cassel*, 1846–49.

——. ——. Supplementa et corrigenda. 8vo. *Cassel*, 1852.

Herschel (A. S.) and **Lebour** (G. A.). Notes on some Experiments on the Conducting-powers for Heat of certain Rocks, with Remarks on the Geological Aspects of the Investigation. (Tract.) 8vo. *London*, 1876.

Herschel (*Sir* John Frederick William). Obituary Notice. See Quetelet (Adolphe).

——. Sir John Herschel. An Eloge read at the Anniversary Meeting of the Royal Astronomical Society, February 9, 1872. (Tract.) 8vo. *London*, 1872.

——. Micrometrical Measures of 364 Double Stars, with a seven-feet equatorial achromatic telescope, taken at Slough in the years 1828, 1829, 1830. 4to. *London*, 1832.

——. Astronomy. (From Lardner's 'Cabinet Cyclopædia.') 8vo. *London*, 1833.

——. On the Absorption of Light by Coloured Media, viewed in connexion with the Undulatory Theory. (Tract.) 8vo. *London*, 1833.

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——. Results of Astronomical observations made during the years 1834–5–6–7–8 at the Cape of Good Hope. 4to. *London*, 1847.

Herschel (*Sir* John Frederick William). A Manual of Scientific Inquiry, prepared for the use of officers in Her Majesty's Navy and travellers generally. 2nd edition. 8vo. *London*, 1851.

——. Sensorial Vision. (Tract.) 8vo. *Leeds*, 1858.

——. Physical Geography, from the 'Encyclopædia Britannica.' 8vo. *Edinburgh*, 1862.

——. Sur les Nébuleuses. (Tract.) 8vo. *Brussels*, 1862.

Herter (Paul). See Erman (Adolph).

Herttwig (Christoph). Neues und vollkommenes Berg-Buch, bestehend in sehr vielen und raren Berg-Händeln, und Bergwercks-Gebräuchen; etc. 8vo. *Dresden* and *Leipzig*, 1734.

Hertwig (Richard). Der Organismus der Radiolarien. 4to. *Jena*, 1879.

Hesketh (Robert). Shall the new Street which is to form the Grand Communication between the Eastern and Western parts of the Metropolis be straight or crooked? (Tract.) 8vo. *London*, 1854.

Hess (Hermann). L'Hydroboracite, nouvelle espèce minérale. (Tract.) 4to. *St. Petersburg*, 1833.

——. Der Hydroboracit, eine neue Mineralspecies. (Tract.) 8vo. *Leipzig*, 1834.

Heton (Thomas). Some Account of Mines, and the advantage of them to this Kingdom. 8vo. *London*, 1707.

Heuglin (Theodor von). Reisen nach dem Nordpolarmeer in den Jahren 1870 und 1871. Part III. Fauna, Flora und Geologie. 8vo. *Brunswick*, 1874.

Heuland (Henry). (Sale) Catalogue of *his* very splendid Collection of Minerals. (Tract.) 8vo. *London*, 1830.

——. Catalogue of *his* costly Collection of Minerals. . . . being a continuation of his late sale, etc. (Tract.) 8vo. *London*, 1834.

Heuschling (Xavier). Essai sur la statistique générale de la Belgique, composé sur des documents publics et particuliers; et publié par Ph. Van der Maelen. 8vo. *Brussels*, 1838.

——. Essai sur la statistique générale de la Belgique, etc. 2e édition. 8vo. *Brussels*, 1841.

Heusser (Jacob Christian). De nonnullorum formiatum crystallinis formis. (Tract.) 8vo. *Berlin*, 1851.

—— and **Claraz** (George). Beiträge zur geognostischen und physikalischen Kenntniss der Provinz Buenos Aires. (Tract.) 4to. *Zurich*, 1865.

Hewitt (W.). See Admiralty Publications.

——. An Essay on the Encroachment of the German Ocean along the Norfolk Coast. 8vo. *Norwich*, 1844.

Hey (J.). See Sartorius von Waltershausen (W.).

Heyne (Benjamin). Tracts, Historical and Statistical, on India, with Journals of several tours through various parts of the Peninsula; also an Account of Sumatra, in a series of letters. 4to. *London*, 1841.

Heywood (James). See Heer (O.).

Heywood (Peter). See Admiralty Publications.

Hibbert (Samuel). A Description of the Shetland Islands, comprising an account of their Geology, Scenery, Antiquities, and Superstitions. 4to. *Edinburgh*, 1822.

Hibbert (Samuel). History of the Extinct Volcanos of the Basin of Neuwied, on the Lower Rhine. 8vo. *Edinburgh*, 1832.

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——. Memoir on the Freshwater Limestone of Burdiehouse, in the neighbourhood of Edinburgh. Also Analysis of coprolites and other organic remains imbedded in the Limestone of Burdiehouse, by Arthur Connell. 4to. *Edinburgh*, 1835.

——. On the fossil Fishes of the Limestone of Burdiehouse. (Tract.) 8vo. *Edinburgh*, 1850 ?

Hicks (Henry). On the Classification of the Cambrian and Silurian Rocks. (Tract.) 8vo. *London*, 1872.

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Higson (Peter). See Reports, Parliamentary. Mines.

Hilgendorf (F.). *Planorbis multiformis* im Steinheimer Süsswasserkalk. (Tract.) 8vo. *Berlin*, 1866.

——. Zur Streitfrage des *Planorbis multiformis*. (Tract.) 8vo. *Leipzig*, 1879.

Hill (Edwin). Eccentricity and Glacial Epochs. (Tract.) 8vo. *London*, 1880.

Hill (*Sir* John). A General Natural History, or new and accurate Descriptions of the Animals, Vegetables, and Minerals of the different parts of the World, etc. (Vol. I.) A History of Fossils; (Vol. III.) A History of Animals; containing descriptions of the birds, beasts, fishes, and insects of the several parts of the world, etc. Fol. *London*, 1748–52.

——. Fossils arranged according to their obvious Characters, etc. 8vo. *London*, 1771.

——. ΘΕΟΦΡΑΣΤΟΥ ΤΟΥ ΕΡΕΣΙΟΥ ΠΕΡΙ ΤΩΝ ΛΙΘΩΝ ΒΙΒΛΙΟΝ. —Theophrastus's History of Stones. With an English Version, and Notes, including the Modern History of the Gems described by that Author, and of many other of the Native Fossils; etc. 2nd edition. 8vo. *London*, 1774.

Hill (Samuel W.), **Campbell** (L. W.), and **Whittlesey** (Charles). Reports on the Phœnix Copper Company (Lake Superior). (Tract.) 8vo. *Boston*, 1855.

Hill (Thomas). The Annual Address . . . before the Harvard Natural History Society. (Tract.) 8vo. *Cambridge, Mass.*, 1853.

Hilton (C.). Catalogue of Minerals and Organic Remains found in the neighbourhood of Midhurst. (Tract.) 4to. MS.

Hincks (Thomas). A History of the British Marine Polyzoa. 2 vols. 8vo. *London*, 1880.

Hind (Henry Youle). Reports of Progress, together with a Preliminary and General Report on the Assinniboine and Saskatchewan Exploring Expedition, Canada. 4to. *Toronto*, 1859.

Hind (Henry Youle). Narrative of the Canadian Red River Exploring Expedition of 1857 and of the Assinniboine and Saskatchewan Exploring Expedition of 1858. 2 vols. 8vo. *London*, 1860.

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——. Report on the Sherbrooke Gold District, together with a paper on the Gneisses of Nova Scotia, and an abstract of a paper on Gold Mining in Nova Scotia. 8vo. *Halifax, N. S.*, 1870.

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Hiortdahl (Th.). Chemisk Undersögelse af Mergeller og de deri indeholdte Boller. (Tract.) 8vo. *Christiania*, 1863.

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Hitchcock (Charles H.). See SURVEYS: NEW HAMPSHIRE and VERMONT.

Hitchcock (Edward). [A series of maps and sketches illustrating the geology of parts of America.]

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Hitchcock (Edward). Report on a Re-examination of the Economical Geology of Massachusetts. (Tract.) 8vo. *Boston*, 1838.

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——. See Red River and Surveys: Massachusetts and Vermont.

Hobart Town. Meteorological Observatory. Observations made at the Magnetical and Meteorological Observatory at Hobarton, in Van Diemen Land, by the Antarctic Naval Expedition. Printed under the superintendence of Edward Sabine. Vols. I.–III. 4to. *London*, 1850–53.

Hochstetter (Ferdinand von). Karlsbad, seine geognostischen Verhältnisse und seine Quellen. 8vo. *Karlsbad*, 1856.

——. Lecture on the Geology of the Province of Auckland, New Zealand. (Tract.) 4to. *Auckland*, 1859.

——. Geological and Topographical Atlas of New Zealand. 2 copies. 4to. *Auckland*, 1864.

——. The Geology of New Zealand. Translated by C. F. Fischer. 8vo. *Auckland*, 1864.

——. Ueber das Vorkommen und die verschiedenen Abarten von neuseelandischem Nephrit, Punaum der Maoris. (Tract.) 8vo. *Vienna*, 1864.

——. Ueber das Vorkommen von Eozoon im krystallinischen Kalke von Krummau im südlichen Böhmen. (Tract.) 8vo. *Vienna*, 1866.

——. Geologische Skizze von Gibraltar. (Tract.) 4to. *Vienna*, 1866.

——. New Zealand; its Physical Geography, Geology, and Natural History. Translated from the German by Edward Santer. 8vo. *Stuttgart*, 1867.

——. See Hann (J.); Novara Expedition; and Reports, Colonial. New Zealand.

—— and **Fisching** (Anton). Leitfaden der beschreibenden Krystallographie. 8vo. *Vienna*, 1868.

—— and **Petermann** (A.). Geologisch-topographischer Atlas von Neu-Seeland. 4to, *Gotha*, 1863.

Hodge (James S.). On the Mineral Region of Lake Superior. (Tract.) 8vo. *Boston*, 1850.

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——. See Serials, etc.: Leipzig. Magazin für die gesammte Mineralogie, etc.

Höffel (Johann Theophilus). Historia Balsami mineralis Alsatici seu Petrolei vallis Sancti Lamperti. Germanice: Der hanauische Erd-Balsam, Lamperslocher Œl, oder Bächel-Brunn, etc. (Tract.)
4to. *Strasburg*, 1734.

Hofflich (Johann Wolffgang). Dissertatio juridica, exhibens Jura Minerarum. (Tract.) 4to. *Jena*, 1695.

Hoffman (W. J.). On the Mineralogy of Nevada. (Tract.)
8vo. *Washington*, 1878.

Hoffmann (Christian August Siegfried). Handbuch der Mineralogie. 2 vols. 8vo. *Freiberg*, 1811–12.

Hoffmann (Friedrich). Ueber die geognostischen Verhältnisse des linken Weserufers bis zum Teutoburger Wald. (Tract.)
8vo. *Berlin?*, 1825.

——. Geognostischer Atlas vom nordwestlichen Deutschland.
4to. *Berlin*, 1830.

——. Uebersicht der orographischen und geognostischen Verhältnisse vom nordwestlichen Deutschland. Vol. I. Orographische Uebersicht.
8vo. *Leipzig*, 1830.

——. Ueber die geognostische Beschaffenheit der liparischen Inseln. (Tract.) 8vo. *Leipzig*, 1832.

——. Geschichte der Geognosie und Schilderung der vulkanischen Erscheinungen. [Hinterlassene Werke, Band II.] 8vo. *Berlin*, 1838.

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Hofmann (August Wilhelm). The Chemical Laboratories in course of Erection in the Universities of Bonn and Berlin.
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Hofmann (*Freyherr* von). Abhandlung über die Eisen-Hütten.
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Hofmann (E.) and **Helmersen** (G. von). Geognostische Untersuchung des Süd-Ural-Gebirges. (Tract.) 8vo. *Berlin*, 1831.

Hofmeister (Wilhelm). On the Germination, Development, and Fructification of the higher Cryptogamia, and on the Fructification of the Coniferæ. Translated by Frederick Currey. [Ray Society.]
8vo. *London*, 1862.

Hogard (Henri). Description minéralogique et géologique des régions granitiques et arénacées du système des Vosges. Plates only.
Fol. *Epinal*, 1837.

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Hogg's Instructor. January 1854. (Tract.) 8vo.

Hohenegger (Ludwig). Geognostische Karte des ehemaligen Gebietes von Krakau mit dem südlich angrenzenden Theile von Galizien. Zusammengestellt durch Cornelius Fallaux. (Tract.) 4to. *Vienna*, 1866.

Holden (J. S.). See TATE (Ralph).

Holdsworth (Joseph). On the Extension of the English Coal-Fields beneath the Secondary Formations of the Midland Counties. [Also] Does Coal exist near London? geologically considered. 8vo. *London*, 1866.

Holl (Friedrich). Handbuch der Petrefactenkunde, mit einer Einleitung über die Vorwelt der organischen Wesen auf der Erde, von Ludwig Choulant. 12mo. *Dresden*, 1829.

Holl (Harvey B.). See JONES (Thomas Rupert).

Holland. See NETHERLANDS.

Holloway (Benjamin). See WOODWARD (John).

Holmberg (Heinrich Johann). Förteckning och afbildningar af Finska Fornlemningar. I. Stenåldern. II. Bronsåldern. (Bidrag till Finlands Naturkännedom, Etnografi och Statistik, utgifna af Finska Vetenskaps Societeten. Häft IX.) (Tract.) 8vo. *Helsingfors*, 1863.

Holmboe (Berndt Michael). Formen af den Function som fyldestgjör Ligningen $F(x+z)+(x-z)=aF(x).F(z)$. (Tract.) 8vo. *Christiania*, 1833.

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Holmes's Magneto-electric Light, as applicable to Lighthouses. 8vo. *London*, 1862.

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——. See Channel Tunnel; Hogg (Jabez); and Water Supply: Canterbury, and London.

Hondt (P. de). See Donati (Vitaliano).

Honeyman (D.). Geology of Antigonish County. (Tract.) 8vo. *Halifax, N. S.*, 1866.

Höninghaus (Friedrich Wilhelm). Note sur l'*Aspergillum leognanum* trouvé fossile à Leognan, près de Bordeaux. (Tract, lith.) 4to. *Crefeld*, 1827.

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——. On the Vertical Structure of the Primary Rocks and the general Character of their gold-bearing Varieties. (Tract.) 8vo. *London*, 1856.

——, *Sir* **Roderick Murchison**, and The Rev. **Dr. Cumming**. Fiery Globe and the Australian gold-fields. (Tract.) Fol. *London*, 1861.

——. Terrestrial Magnetism with reference to the Compasses of Iron Ships; their "deviation" and remedies. (Tract.) 8vo. *London*, 1866.

Hopkins (William). On the Stratification of the Limestone District of Derbyshire. (Tract.) 8vo. Not published, 1834.

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——. ——. (First series.) (Tract.) 4to. *London*, 1839.

—— ——. (Second series.) (Tract.) 4to. *London*, 1840.

——. ——. (Third series.) (Tract.) 4to. *London*, 1842.

——. An Abstract of a Memoir on Physical Geology. (Tract.) 8vo. *Cambridge*, 1836.

——. Theoretical investigations on the Motion of Glaciers. (Tract.) 2 copies. 8vo. *Cambridge*, 1842.

——. On the Motion of Glaciers. (Tract.) 2 copies. 4to. *Cambridge*, 1844.

——. On the Transport of Erratic Blocks. (Tract.) 4to. *Cambridge*, 1844.

——. On the Internal Pressure to which Rock-masses may be subjected, and its possible Influence in the production of Laminated Structure. (Tract). 3 copies. 8vo. *Cambridge*, 1847.

——. On the Causes which may have produced Changes in the Earth's superficial temperature. (Tract.) 8vo. *London*, 1852.

——. On the External Temperature of the Earth and other Planets of the Solar System. (Tract.) 4to. *Cambridge*, 1856.

Hopkinson (John). On British Graptolites. (Tract.) 8vo. *London*, 1869.

——. On *Dexolites gracilis*, a new Silurian Annelide. (Tract.) 8vo. *London*, 1870.

——. On the structure and affinities of the genus *Dicranograptus*. (Tract.) 8vo. *London*, 1870.

——. On a specimen of *Diplograpsus pristis* with reproductive capsules. (Tract.) 8vo. *London*, 1871.

——. On *Dicellograpsus*, a new genus of Graptolites. (Tract.) 8vo. *London*, 1871.

——. Report of the Proceedings of the Geological Section of the British Association at Edinburgh, 1871. (Tract.) 8vo. *London*, 1871.

——. On *Callograptus radicans*, a new dendroid Graptolite. (Tract.) 8vo. *London*, 1872.

Hopkinson (John). On some new Species of Graptolites from the south of Scotland. (Tract.) 8vo. *London*, 1872.

——. Excursion of the Geologists' Association to Eastbourne and St. Leonards, May 23rd and 24th, 1873. (Tract.) 8vo. *London*, 1873.

——. On some Graptolites from the Upper Arenig rocks of Ramsey Island, St. David's. (Tract.) 8vo. *London*, 1873.

——. Reports of the Field Meetings of the Watford Natural History Society in 1875–1879. (Tracts.) 8vo. *Watford*, 1876–80.

——. On the recent Discovery of Silurian Rocks in Hertfordshire and their Relation to the Water-bearing Strata of the London Basin. (Tract.) 8vo. *Hertford*, 1880.

Hopton (William). See Coal-mines. Explosions.

Hörbye (J. C.). Observations sur les phénomènes d'erosion en Norvège, publiées par B. M. Keilhau. (Tract.) 2 copies. 4to. *Christiania*, 1857.

——. Fortsätte Jagttagelser over de erratiske Phænomener. (Tract.) 2 copies. 8vo. *Christiania*, 1859.

Horn (Caspar Heinrich). De regali metalli-fodinarum jure. (Tract.) 4to. *Wittemberg*, 1703.

Horn (George H.). See Le Conte (John L.).

Horner (G. R. B.). Medical Topography of Brazil and Uruguay. 8vo. *Philadelphia*, 1845.

Horner (Leonard). On an artificial substance resembling shell; with an account of an examination of the same, by Sir David Brewster. (Tract.) 4to. *London*, 1836.

——. On the occurrence of the *Megalichthys* in a bed of Cannel Coal in the west of Fifeshire, etc. (Tract.) 8vo. *Edinburgh*, 1836.

——. Observations on Professor Lepsius' Discovery of sculptured Marks on Rocks in the Nile Valley in Nubia. (Tract.) 8vo. *Edinburgh*, 1850.

——. An account of some recent Researches near Cairo, undertaken with the view of throwing light upon the geological history of the alluvial land of Egypt. Part I. (Tract.) 4to. *London*, 1855.

——. An account of some recent Researches near Cairo, &c. (Tract.) 4to. *London*, 1858.

——. See Greenough (George Bellas).

Hörnes (Moriz). Sammlungen von Tertiärpetrefacten des Wiener Beckens. (Tract.) 4to. *Vienna*, 1852.

——. Ueber die Gastropoden und Acephalen der Hallstätter Schichten. (Tract.) 4to. *Vienna*, 1855.

——. Die fossilen Mollusken des Tertiärbeckens von Wien. (Tract.) 8vo. *Vienna*, 1864.

——. See Hauer (Franz von), and Novara Expedition.

Hornsey. Section of Mr. Warner's Well at Hornsey. (Tract.) MS.

Hornstein (F. F.). Ein letztes Wort in Sachen Zängerle. (Tract.) 8vo. *Cassel?*, 1874.

Horry (S. C.). See Bertrand (Alexandre).

Horsfield (Thomas). Zoological Researches in Java and the neighbouring Islands. Part 2. (Tract, imperfect.) 4to. *London*, 1821.

——. See Museums. East-India Company. Catalogue of the East-India Company's Museum.

Horsfield (Thomas), **Bennett** (John), and **Brown** (Robert). Plantæ Javanicæ rariores, descriptæ iconibusque illustratæ, quas in insula Java, annis 1802–1818, legit et investigavit T. H. Fol. *London*, 1838–52.

——, ——, ——. Map of the Island of Java, to illustrate the Researches of Thomas Horsfield, M.D., with the Geographical Preface and Postscript of 'Plantæ Javanicæ rariores.' 4to. *London*, 1852.

Horticultural Exhibition. The International Horticultural Exhibition and Botanical Congress, held in London, from May 22nd to May 31st, 1866. Report of Proceedings. 8vo. *London*, 1866.

Horton (William S.). On the Geology of the Stonesfield Slate and its associate Formations. (Tract.) 8vo. *London*, 1860.

Hoskins (S. Elliott). Tables for the extemporaneous application of Corrections for Temperature to Barometric Observations. (Tract.) 8vo. *Guernsey*, 1842.

Hough (Franklin B.). The Elephant's Tusk lately found near Copenhagen. (Tract.) 2 copies. Slips. *Lowville, N. Y.* 1877.

Houghton (Thomas). Rara Avis in Terris: or the Compleat Miner; in Two Books. The Second Edition. See METALS, MINES, and MINERALS.

——. The Miner's Guide, or Complete Miner, selected, arranged, and printed (*verbatim*) from the works of Hardy and Houghton. 8vo. *Wirksworth*, 1810.

Houzeau (Jean C.). Essai d'un géographie physique de la Belgique. 8vo. *Brussels*, 1854.

——. Histoire du sol de l'Europe. 8vo. *Brussels*, 1857.

——. De la symétrie des formes des continents. (Tract.) 8vo. *Brussels*.

Houzeau-de-Lehaie (A.). See BRIART (A.).

Hövel (Friedrich von). Geognostische Bemerkungen über die Gebirge in der Grafschaft Mark. (Tract.) 4to. *Hanover*, 1806.

Howard (Luke). Barometrographia: Twenty years' variation of the Barometer in the climate of Britain. Fol. *London*, 1847.

——. Papers on Meteorology, relating especially to the climate of Britain, and to the variations of the Barometer. (Being Parts I. and II. of the Appendix to 'Barometrographia.') 4to. *London*, 1850–54.

Howard (William). Narrative of a Journey to the Summit of Mont Blanc, made in 1819. (Tract.) 8vo. *Baltimore*, 1821.

Howe (Joseph). See REPORTS, COLONIAL. Nova Scotia.

Howell (E. R.). See SURVEYS: UNITED STATES.

Howell (Henry H.), and **Geikie** (Archibald). The Geology of the Neighbourhood of Edinburgh. With appendix and lists of fossils, by J. W. Salter. (Memoir on map 32 of the Geological Survey of Scotland.) (2 copies.) 8vo. *London*, 1861.

——, ——, and **Young** (John). The Geology of East Lothian, including parts of the counties of Edinburgh and Berwick. Appendix on the fossils by J. W. Salter. (Memoir on map 33 of the Geological Survey of Scotland.) 8vo. *London*, 1866.

Howell (James). Geological Formations above the Chalk at Brighton. (Tract.) 12mo. *Brighton*, 1872.

Howley (James P.). See SURVEYS: NEWFOUNDLAND.

Howse (Richard). Notes on a Dredging Excursion off the Coast of Durham; with descriptions of the ova-capsules of *Fusus norvegicus* and *F. Turtoni*. (Tract.) 8vo. *London*, 1847.

——. A Catalogue of the Fossils of the Permian System of the counties of Northumberland and Durham. (Tract.) 8vo. *Newcastle* and *London*, 1848.

——. Supplemental Note on the Priority of the Tyneside Catalogue, published August 17th, 1848. (Tract.) 8vo. *North Shields*, 1859.

—— and **Kirkby** (J. W.). A Synopsis of the Geology of Durham and Part of Northumberland. (Tract.) 8vo. *Newcastle*, 1863.

Hüber (Georg Ludovic). See BERINGER (Johann Barthol. Adam).

Hubertz (J. R.). De Sindssyge i Danmark, efter undersögelsen af 1. Juli 1847. (Tract.) 4to. *Copenhagen*, 1851.

Hudleston (Wilfred H.). The Yorkshire Oolites. 8vo. *London*, 1875.

——. On the Controversy respecting the Gneiss Rocks of the North-west Highlands. (Tract.) 8vo. *London*, 1879.

——. See BLAKE (J. F.).

Hudson (James). Report on the Adjudication of the Copley, Rumford, and Royal Medals: and Appointment of the Bakerian, Croonian, and Fairchild Lecturers. (Tract.) 4to. *London*, 1834.

——. See LINK (H. F.).

Hudson's Bay. Meteorological Observations made at Nelson Encampment [near York Fort], 1811–12. (Tract, MS.) 4to. 1816.

Hudson's-Bay Company. See REPORTS, PARLIAMENTARY.

Hughes (Thomas M'Kenny). See SURVEYS: ENGLAND AND WALES.

Hugi (F. J.). Naturhistorische Alpenreise. 8vo. *Leipzig*, 1830.

Huguenin (Jules). Coup d'œil sur la géologie du Morbihan. 8vo. *Paris*, 1862.

Hulke (John Whitaker). Memorandum on some fossil Vertebrate Remains collected by the Swedish Expeditions to Spitzbergen in 1864 and 1868. (Tract.) 8vo. *Stockholm*, 1873.

Hull (Edward). The Geology of the Country around Cheltenham. Sheet 44 of the Geological Survey. (Memoirs of the Geological Survey of England.) (3 copies.) 8vo. *London*, 1857.

——. On the Vestiges of Extinct Glaciers in the Highlands of Great Britain and Ireland. (Tract.) 8vo. *Manchester*, 1861.

——. The Coal-fields of Great Britain. 2nd edition. 8vo. *London*, 1861.

——. ——. 3rd edition. 8vo. *London*, 1873.

——. Additional Observations on the Drift-deposits and more recent Gravels in the Neighbourhood of Manchester. (Tract.) 8vo. *London*, 1865.

——. On the New Red Sandstone and Permian Formations, as Sources of Water-supply for towns. (Tract.) 8vo. *Manchester*, 1865.

——. Introductory Lecture to the Geological Class. Royal College of Science for Ireland. Session 1869–70. (Tract.) 8vo. *Dublin*, 1869.

——. On the Extension of the Coal-fields beneath the newer Formations of England; and the Succession of Physical Changes whereby the Coal-measures have been reduced to their present dimensions. (Tract.) 8vo. *London*, 1870.

Hull (Edward). On the Geological Age of the Ballycastle Coal-field, and its Relations to the Carboniferous Rocks of the West of Scotland: with Palæontological notes by W. H. Baily. (Tract.) 8vo. *Dublin*, 1871.

—— A Treatise on the Building and Ornamental Stones of Great Britain and foreign Countries. 8vo. *London*, 1872.

——. On the Volcanic Phenomena of County Antrim and adjoining Districts. (Tract.) 8vo. *London?*, 1874.

——. A Scheme of Water-supply for Villages, Hamlets, and country Parishes of the Central and Eastern Counties. (Tract.) 8vo. *London*, 1876.

——. On a Deep Boring for Coal at Scarle, Lincolnshire; and its bearing on the question of the easterly limit of the Yorkshire Coal-measures beneath the newer formations. (Tract.) 8vo. *London*, 1877.

——. The Physical Geology and Geography of Ireland. 8vo. *London*, 1878.

——. See Hardman (Edward T.), and Haughton (Samuel).

—— and **Hardman** (Edward T.). On the Nature and Origin of the Beds of Chert in the Upper Carboniferous Limestone of Ireland, [and] on the Chemical Composition of Chert and the Chemistry of the Process by which it is formed. (Tract.) 4to. *Dublin*, 1878.

——. See Surveys: England and Wales.

Hull (Hugh M.). Tasmania in 1870; or Hints to Emigrants, intending Settlers, and Capitalists, etc. (Tract.) 12mo. *Hobart Town*, 1870.

Hultmann (David). Instructio Musei rerum naturalium. (Tract.) 4to. *Upsala*, 1753.

Humbert (Aloïs). See Pictet (F. J.)

Humble (William). Dictionary of Geology and Mineralogy. 8vo. *London*, 1840.

Humboldt (Friedrich Heinrich Alexander von). Biographical Notice. See Agassiz (Louis), and Martius (Carl Friedrich Philipp von).

——. Aphorismen aus der chemischen Physiologie der Pflanzen. Nebst einer Vorrede von Christ. Friedr. Ludwig. 8vo. *Leipzig*, 1794.

——. Versuche über die chemische Zerlegung des Luftkreises und über einige andere Gegenstände der Naturlehre. 8vo. *Brunswick*, 1799.

——. Voyage de Humboldt et Bonpland. 3^{me} partie. Essai politique sur le royaume de la nouvelle Espagne. 2 vols. Fol. *Paris*, 1811.

——. Atlas géographique et physique du royaume de la Nouvelle-Espagne. Fol. *Paris*, 1812.

——. Essai géognostique sur le gisement des roches dans les deux hémisphères. 8vo. *Paris*, 1823.

——. Ueber den Bau und die Wirkungsart der Vulcane in verschiedenen Erdstrichen. (Tract.) 4to. *Vienna*, 1823.

——. Bericht über die naturhistorischen Reisen der Herren Ehrenberg und Hemprich durch Aegypten, Dongola, Syrien, Arabien, etc., in den Jahren 1820–1825. (Tract.) 4to. *Berlin*, 1826.

——. Mémoire sur les chaînes de montagnes et les volcans de l'Asie intérieure, et sur une nouvelle éruption volcanique dans la chaîne des Andes, avec notes par M. Klaproth. (Tract.) 8vo. *Paris*, 1830.

Humboldt (Friedrich Heinrich Alexander von). Fragmens de géologie et de climatologie asiatiques. 2 vols. 8vo. *Paris*, 1831.

——. Geognostische und physikalische Beobachtungen über die Vulcane des Hochlandes von Quito. (Tract.) 8vo. *Berlin*, 1837.

——. Asie centrale. Recherches sur les chaînes de montagnes et la climatologie comparée. 3 vols. 8vo. *Paris*, 1843.

——. Aspects of Nature in different Lands in different Climates; with scientific elucidations. Translated by Mrs. Sabine. 2 vols. 8vo. *London*, 1849.

——. Cosmos: A sketch of a physical description of the Universe. Translated by E. C. Otté. 4 vols. 8vo. *London*, 1849.

——. See Buch (Leopold von), Pictet (J. F.), and Taylor (John).

—— and **Bonpland** (A.). Voyage aux régions équinoxiales du Nouveau Continent, fait en 1799, 1800, 1801, 1802, 1803 et 1804, par A. de Humboldt et A. Bonpland. 4 vols. 8vo. *Paris*, 1816–17.

——, and **Brochant de Villiers** (A. J. M.). Ueber Canzocolli unweit Predazzo in Südtirol. (Tract.) 8vo. *Innsbruck*, 1826.

Hume (A.). The Learned Societies and Printing Clubs of the United Kingdom. 8vo. *London*, 1847.

Hummel (David). See Surveys: Sweden.

Humphreys (A. A.). See Surveys: United States.

—— and **Abbot** (H. C.). Report upon the Physics and Hydraulics of the Mississipi River. 4to. *Philadelphia*, 1861.

Hunt (E. B.). On the Origin, Substructure, and Chronology of the Florida Reef. (Tract.) 8vo. *New Haven*, 1863.

Hunt (James). Introductory Address on the Study of Anthropology. (Tract.) 8vo. *London*, 1863.

——. Anniversary Address, delivered before the Anthropological Society of London, 1864. 8vo. *London*, 1864.

——. Anniversary Address delivered before the Anthropological Society of London, 1865. (Tract.) 8vo. *London*, 1865.

——. On Physio-anthropology, its aim and method. (Tract.) 8vo. *London*.

——. See Vogt (Carl).

Hunt (Robert). A popular Treatise on the art of Photography, including Daguerréotype, etc. (Tract.) 8vo. *Glasgow*, 1841.

——. Particulars of the Earthquake felt in Parts of Cornwall on Feb. 17, 1842. (Tract.) 8vo. *Penzance*, 1842.

——. On the Importance of cultivating Habits of Observation. 8vo. *London*, 1851.

——. Note on Coal raised and Iron made at present (1852) in South Staffordshire. 8vo. *London*, 1853.

——. Statistics of the Produce of Copper, Tin, Lead, and Silver from the Mines of the United Kingdom. 8vo. *London*, 1853.

——. Mining Records. 8vo. *London*, 1856–57.

——. A descriptive Guide to the Museum of Practical Geology. 8vo. *London*, 1857.

——. On the Mines, Minerals, and Miners of the United Kingdom. (Tract.) 2 copies. 8vo. *London*, 1863.

——. See Exhibition of 1862; Jukes (J. Beete); Reports, Parliamentary, Mines; and Surveys, Great Britain.

Hunt (Thomas Sterry). Note sur les sources acides et les gypses du Haut Canada. (Tract.) 4to. *Paris*, 1855.

Hunt (Thomas Sterry). Contributions to the history of Euphotide and Saussurite. (Tract.) 8vo. *New Haven*, 1859.

——. On some points in Chemical Geology. (Tract.) 8vo. *Montreal*, 1859.

——. Review.—On some points in the Geology of the Alps. (Tract.) 8vo. *New Haven*, 1859.

——. On some Reactions of the Salts of Lime and Magnesia, and on the Formation of Gypsums and Magnesian Rocks. (Tract.) 8vo. *New Haven*, 1859.

——. On some points in American Geology. (Tract.) 8vo. *New Haven*, 1861.

——. Notes on Iron and Iron-ores. (Tract.) 8vo. *Montreal*, 1870.

——. The Geognosy of the Appalachians and the Origin of Crystalline Rocks. Address to the American Association for the Advancement of Science. (Tract.) 8vo. *Salem*, 1871.

——. The Coal and Iron of Southern Ohio, considered with relation to the Hocking-valley Coal-field and its Iron-ores. 8vo. *Salem, Mass.*, 1874.

——. Chemical and Geological Essays. 8vo. *London* and *Boston, Mass.*, 1875.

——. See Logan (*Sir* W. E.).

——, and **Michel** (A.). Reports on the Gold Region of the county of Hastings. (Tract.) 8vo. *Montreal*, 1867.

Hunter (John). Account of some remarkable Caves in the Principality of Bayreuth, and of the fossil bones found therein. (Tract.) 4to. *London*, 1793.

——. Observations and Reflections on Geology. 4to. *London*, 1859.

Hunter (Robert). The Encyclopædic Dictionary. Vol. I. A–Aab. 4to. *London*, 1880.

Hunter (W. Perceval). See Azara (Felix de).

Huntington (J. H.). See Hitchcock (C. H.); and Surveys, New Hampshire, Geology.

Huot (J. J. N.). Résumé géologique sur les ossemens fossiles. 8vo. *Paris*, 1826.

——. Nouveau manuel complet de géologie. Nouvelle édition, par M. C. d'Orbigny. 8vo. *Paris*, 1852.

Hupé (H.). See Dujardin (F.).

Hupsch (J. G. C. A. von). Nouvelles découvertes de quelques testacés pétrifiés rares et inconnus; pour servir à l'histoire naturelle de la Bas-Allemagne, etc. Traduit de l'allemand. (Tract.) 8vo. *Cologne*, *Frankfort*, and *Leipzig*, 1771.

Hutchinson (Thomas J.). Two Years in Peru, with exploration of its antiquities. 2 vols. 8vo. *London*, 1873.

Hutchison (Graham). Essays on unexplained Phenomena. 8vo. *Glasgow*, 1838.

Hutton (C.). See Whitehurst (John).

Hutton (Frederick Wollaston). Lecture on the Formation of Mountains. (Tract.) 8vo. *Wellington*, 1872.

——. Class-book of Elementary Geology. 8vo. *London* and *Liverpool*, 1875.

——. See Reports, Colonial, New Zealand; and Surveys, New Zealand.

Hutton (Frederick Wollaston) and **Ulrich** (G. H. F.). Report on the Geology and Gold-fields of Otago, with Appendices by J. G. Black and J. McKerrow. 8vo. *Dunedin, N. Z.*, 1875.

Hutton (James). Biographical Notice. See PLAYFAIR (John).

——. Theory of the Earth, with proofs and illustrations. In four parts. 2 vols. 8vo. *Edinburgh*, 1795.

——. Illustrations of the Theory of the Earth. Chapters iv. to ix. inclusive. 4to. MS.

Hutton (Thomas). Apparent Objections to the Glacial Theory. (Tract.) 8vo. *Calcutta*, 1844.

——. Note on the Geology and Mineralogy of Afghanistan. (Tract.) 8vo. *Calcutta*, 1846.

——. The Chronology of Creation, or Geology and Scripture reconciled. 8vo. *Calcutta*, 1850.

——. Pre-Adamite Death. Proved to be a geological delusion. (Tract.) 8vo. *Agra*, no date.

Hutton (William). Notes on the New Red Sandstone of the County of Durham, below the Magnesian Limestone. (Tract.) 4to. *Newcastle*, 1830.

——. On the stratiform Basalt associated with the Carboniferous Formation of the North of England. (Tract.) 4to. *Newcastle*, 1832.

——. See LINDLEY (John).

Huxley (Thomas Henry). On the Educational Value of the Natural History Sciences. (Tract.) 8vo. *London*, 1854.

——. On the *Stagonolepis Robertsoni*, Agassiz, of the Elgin Sandstones, and on the recently discovered Footmarks in the Sandstones of Cummingstone. (Tract.) 2 copies. 8vo. *London*, 1859.

——. The oceanic Hydrozoa; a description of the Calycophoridæ and Physophoridæ observed during the voyage of H.M.S. 'Rattlesnake' in 1846–50. (Ray Society.) 4to. *London*, 1859.

——. Evidence as to Man's Place in Nature. 8vo. *London* and *Edinburgh*, 1864.

——. An Introduction to the Classification of animals. 8vo. *London*, 1869.

——. Physiography; an introduction to the study of nature. 8vo. *London*, 1877.

——. Honorary degree of LL.D. Cantab. conferred upon him. See CAMBRIDGE, Speeches by the public orator.

——. See MURCHISON (*Sir* Roderick Impey); SURVEYS, GREAT BRITAIN; and TYNDALL (John).

—— and **Etheridge** (Robert). A Catalogue of the Collection of Fossils in the Museum of Practical Geology, [illustrated in manuscript on the margins by H. C. Barlow]. 8vo. *London*, 1865.

—— and **Hawkins** (B. Waterhouse). An elementary Atlas of Comparative Osteology. 4to. *London*, 1864.

Huzard (J. B.). Notice sur *sa* bibliothèque. (Tract.) 8vo. *Paris*, 1839.

Hyatt (Alpheus). The fossil Cephalopods of the Museum of Comparative Zoology. (Tract.) 8vo. *Cambridge, Mass.*, 1863.

Hyett (W. Henry). Heights of some Points of the Cotswold Hills, with some experiments with the aneroid barometer. (Tract.) 8vo. *London*, 1850.

I.

Ian (Giorgio). See CRISTOFORIS (Giuseppe de).

Iasikow (Pierre de). See FISCHER DE WALDHEIM (G).

Ibbetson (L. L. Boscawen). Typorama, a modelled View of the Undercliff in the Isle of Wight. Description. (Tract.) 8vo. *London*, 1838.

——. On the possible Origin of Veins of Gold in Quartz and other Rocks. (Tract.) 8vo. *London*, 1856.

Ibn Batūta. The Travels of Ibn Batuta, translated from the abridged Arabic manuscript copies preserved in the public library of Cambridge, with notes by the Rev. Samuel Lee. (Tract.) 4to. *London*, 1829.

Idestam (Gustavus). Tentamen chemico-mineralogicum de Granatis, complectens analysin Granati orijerviensis. (Tract.) 4to. *Abo*, 1819.

Idman (Gustav). See BONSDORFF (Peter Adolph).

Igelström (L. J.). On the occurrence of thick beds of bituminous gneiss and mica schist in the Nullaberg, parish of Östmark, province of Wermland, in Sweden, with note on the mineral character of the rock by A. E. Nordenskiöld, and a chemical analysis of the rock by F. L. Ekman. (Tract.) 2 copies. 8vo. *Stockholm*, 1867.

*** The pamphlet is entitled "On the existence of rocks containing organic substances in the fundamental gneiss of Sweden."

Image (Thomas). Catalogue (sale) of *his* fine collection of fossils and minerals, etc. (Tract.) 8vo. *Bury St. Edmunds*, 1856.

Imperial Gazetteer. See BLACKIE (W. G.).

Imrie (Col. —). A description and section of the Grampian mountains from the plain of Kincardineshire to the summit of Mount Battock. (Tract.) 4to. *Edinburgh*, 1811.

——. On preparing specimens of rocks. (Tract.) 4to. Manuscript. No date.

India. Abstract of the Reports of the Surveys and of other Geographical Operations in India for 1869–70. (Tract.) 8vo. *London*, 1871.

——. A Catalogue of Maps of the British Possessions in India and other parts of Asia. (Tract.) 8vo. *London*, 1870.

——. ——. A continuation. (Tract.) 8vo. *London*, 1872.

——. Selections from the Records of the Government of India (Home Department). No. XXV. The Andaman Islands; with notes on Barren Island. (By F. J. Mouat.) 8vo. *Calcutta*, 1859.

——. Geological Papers on Western India. See CARTER (Henry J.).

Indostranzeff (A.). Studien über metamorphosirte Gesteine im Gouvernement Olonez. 8vo. *Leipzig*, 1879.

Inglefield (E. A.). See ADMIRALTY PUBLICATIONS.

Inman (W. S.). See PORTAL (Frédéric de).

Irby (J. R. M^{c}D.). On the Crystallography of Calcite. (Tract.) 8vo. *Bonn*, 1878.

Ireland. First and Second Reports of the Commissioners appointed to inquire into the nature and extent of the Bogs in Ireland; with appendices. (First Report in duplicate.) Fcap. fol.; Atlas, fol. *London*, 1810.

Ireland. First Report. (Reprint.) 8vo. *Dublin*, 1810.
——. The Postchaise Companion through Ireland. 3rd edition. 8vo. *Dublin*, 1805.
Irgens (M.) and **Hiortdahl** (Th.). Beretning om de vigtigste resultater af en i sommeren 1863 foretaget geologisk undersögelse af Kysten af nordre Bergenhus Amt. (Tract.) 8vo. *Christiania*, 1863.
—— ——. Om de geologiske forhold paa kyststrækningen af nordre Bergenhus Amt. (Tract.) 4to. *Christiania*, 1864.
—— ——. See also HIORTDAHL (Th.)
Irvine (William). Letters on Sicily. 8vo. *London*, 1813.
Issel (Arturo). Malakologia del Mar rosso. 8vo. *Pisa*, 1869.
Italy. Cataloghi della collezione centrale italiana di Paleontologia. Catalogo No. 1. Raccolta degli oggetti de' così detti tempi preistorici, compilato da Igino Cocchi. 8vo. *Florence*, 1871.
——. Repertorio italiano per la storia naturale. See BIANCONI (J. J).
——. See EXHIBITION OF 1862.
Ives (Joseph C.). Memoir to accompany a Military Map of the Peninsula of Florida, south of Tampa Bay. (U.S. War Department.) 8vo. *New York*, 1856.
——. Report upon the Colorado River of the West. 4to. *Washington*, 1861.

J.

Jaccard (August). See SURVEYS: SWITZERLAND. Matériaux pour la Carte géologique de la Suisse.
Jack (Robert L.). On "Wants" in Ironstone Seams, and their Connexion with Faults. (Tract.) 8vo. *London*, 1871.
——. Notes on a Till or Boulder-Clay with Broken Shells in the lower Valley of the River Endrick, near Loch Lomond, and its Relation to certain other Glacial Deposits. (Tract.) 8vo. *Glasgow*, 1874.
——. See REPORTS, COLONIAL. Queensland.
Jackson (Charles T.). Remarks on the Alabama Meteoric Iron, with a Chemical Analysis of the Drops of Green Liquid which exude from it. (With a) Letter from Mr. A. A. Hayes on the same subject, with remarks on the origin of the chlorine found in the Alabama iron, etc. (Tract.) 8vo. *Boston*, 1844.
——. On the Geological Structure of Keweenaw Point. (Tract.) 8vo. *Boston*, 1850.
——. Remarks on the Geology, Mineralogy, and Mines of Lake Superior. (Tract.) 8vo. *Boston*, 1850.
——. Report on the Albert Coal Mine. (Tract.) 8vo. *Boston*, 1851.
——. See SURVEYS: MAINE, MASSACHUSETTS, MICHIGAN, NEW HAMPSHIRE, and RHODE ISLAND.
—— and **Alger** (Francis). Remarks on the Mineralogy and Geology of the Peninsula of Nova Scotia. (Tract.) 4to. *Cambridge*, 1832.
Jackson (J. R.). Observations on Lakes. (Physico-geographical Essays: Essay I.) 4to. *London*, 1833.
——. What to observe; or the Traveller's Remembrancer. 8vo. *London*, 1841.

Jackson (W. H.). See SURVEYS: UNITED STATES. Geological Survey of the Territories.

Jacob (Edward). Plantæ Faversham ienses. A Catalogue of the more perfect Plants growing spontaneously about Faversham, in the County of Kent; with an Appendix exhibiting a short view of the Fossil Bodies of the adjacent Island of Sheppey. 8vo. *London*, 1777.

Jäger (Georg Friedrich). Ueber die Pflanzenversteinerungen, welche in dem Bausandstein von Stuttgart vorkommen. (Tract.) 4to. *Stuttgart*, 1827.

——. Ueber die fossilen Reptilien, welche in Württemberg aufgefunden worden sind. 4to. *Stuttgart*, 1828.

——. Ueber die fossilen Säugethiere, welche in Württemberg aufgefunden worden sind. Fol. *Stuttgart*, 1835.

——. Ueber die fossilen Saügethiere Württembergs. (Tract.) 4to. *Breslau* and *Bonn*, 1850.

Jäger (Gustav). See NOVARA EXPEDITION.

James (*Sir* Henry). Instructions for taking Meteorological Observations. 8vo. *London*, 1860.

——. Abstracts of the principal Lines of Spirit-levelling in England and Wales (Ordnance Survey). 4to. *London*, 1861.

——. Extension of the Triangulation of the Ordnance Survey into France and Belgium. 4to. *London*, 1863.

——. Note on the Block of Tin dredged up in Falmouth Harbour. (Tract.) 8vo. *London*, 1863.

——. See CLARKE (A. R.); and SURVEYS, GREAT BRITAIN.

Jameson (Robert). An Outline of the Mineralogy of the Shetland Islands, and of the Island of Arran. 8vo. *Edinburgh*, 1798.

——. Mineralogy of the Scottish Isles; with mineralogical observations made in a tour through different parts of the mainland of Scotland, and dissertations upon peat and kelp. 4to. *Edinburgh* and *London*, 1800.

——. Description of several Varieties of the Precious Stone named *Zircon*, imbedded in Sienite, in Galloway. (Tract.) 8vo. *Edinburgh*, 1801.

——. System of Mineralogy. 3 vols. 8vo. *Edinburgh*, 1804–1808.

——. A Mineralogical Description of the County of Dumfries. (Tract.) 8vo. *Edinburgh*, 1805.

——. A Treatise on the External Characters of Minerals. 8vo. *Edinburgh*, 1805.

——. A Treatise on the External, Chemical, and Physical Characters of Minerals. 2nd edition. 8vo. *Edinburgh*, 1816.

——. ——. 3rd edition. 8vo. *Edinburgh*, 1817.

——. On Conglomerated or Brecciated Rocks. (Tract.) 8vo. *Edinburgh*, 1811–16.

——. On Porphyry. (Tract.) 8vo. *Edinburgh*, 1811–16.

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Jameson (Robert). Secondary Greenstone and Wacke not of Volcanic Origin; Veins which connect Mineral Beds together, not confined to Trap-rocks; and Trap Veins (Whindikes) probably of Contemporaneous Formation with the Trap-rocks which they traverse. (Tract.) 8vo. *Edinburgh*, 1819.

——. See Buch (Leopold von) and Cuvier (G.).

Jamieson (Thomas F.). On the Action of the Atmosphere upon newly-deepened Soil. (Tract.) 8vo. *London*, 1857.

——. List of Altitudes in the Counties of Aberdeen, Banff, and Kincardine. (Tract.) 8vo. *Aberdeen*, 1859.

——. The Tweeddale Prize Essay on The Rainfall. (Tract.) 8vo. *Edinburgh*, 1860.

Jan (Giorgio). See Cristoforis (Gius. de').

Jannettaz (Edouard). A Guide to the Determination of Rocks. Translated by George W. Plympton. 8vo. *New York*, 1877.

Jardin (Edélestant). Essai sur l'histoire naturelle de l'Archipel des Marquises. 8vo. *Paris* and *Cherbourg*, 1862.

Jardine (*Sir* William). The Ichnology of Annandale, or Illustrations of Footmarks impressed on the New Red Sandstone of Corncockle Muir. Fol. *Edinburgh*, 1853.

——. Memoirs of Hugh Edward Strickland. 8vo. *London*, 1858.

Jars (Gabriel) Voyages métallurgiques, etc. 4to. *Lyons*, 1776–81.

Jasche (Christoph Friedrich). Das Wissenswürdigste aus der Gebirgskunde zusammengetragen. Fol. *Büchenberg*, 1811.

Jasikow (Pierre de). See Fischer de Waldheim (G.).

Jaubert (*Comte* de). Notice sur la vie et les travaux de M. Cordier. (Tract.) 2 copies. 8vo. *Paris*, 1865.

Jeanjean (B.). See Serres (Marcel de).

Jeffcock (John T.). Parkin Jeffcock, Civil and Mining Engineer. A Memoir. 8vo. *London* and *Derby*, 1867.

Jefferson (Thomas). Eulogium. See Biddle (Nicholas).

Jeffreys (John Gwyn). Notes on Swiss Mollusca. (Tract.) 8vo. *London*, 1855.

——. On the Marine Testacea of the Piedmontese Coast. (Tract.) 8vo. *London*, 1856.

——. Sui testacei marini delle coste del Piemonte. Traduzione con note ed un catalogo speciale per il golfo della Spezzia, del prof. G. Capellini. (Tract.) 2 copies. 8vo. *Genoa*, 1860.

——. Remarks on Mr. M'Andrew's "Note on the comparative Size of Marine Mollusca in various Latitudes of the European Seas." (Tract.) 8vo. *London*, 1860.

——. Report of the Results of Deep-sea Dredging in Zetland; with a Notice of several Species of Mollusca new to Science or to the British Isles. (Tract.) 8vo. *London*, 1861.

——. British Conchology, or an account of the Mollusca which now inhabit the British Isles and the surrounding seas. 5 vols. 8vo. *London*, 1862.

——. Report of the Committee for Dredging on the North and East Coasts of Scotland. (Tract.) 8vo. *London*, 1862.

——. Report of the Committee appointed for exploring the Coasts of Shetland by means of the Dredge. (Tract.) 8vo. *London*, 1863.

Jeffreys (John Gwyn). The Upper Tertiary Fossils at Uddevalla, in Sweden. (Tract.) 8vo. *London*, 1863.
——. Report on Shetland Dredgings. (Tract.) 8vo. *London*, 1865.
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——. Fourth Report on Dredging among the Shetland Isles. (Tract.) 8vo. *London*, 1867.
——. Last Report on Dredging among the Shetland Isles. (Tract.) 8vo. *London*, 1868.
——. Mediterranean Mollusca. (Tract.) 8vo. *London*, 1870.
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——. The Mollusca of Europe compared with those of Eastern North America. (Tract.) 8vo. *London*, 1872.
——. Address to the Biological Section of the British Association, Plymouth, 16th August, 1877. (Tract.) 8vo. *London*, 1877.
——. The Post-Tertiary Fossils procured in the late Arctic Expedition; with notes on some of the Recent or Living Mollusca from the same Expedition. (Tract.) 8vo. *London*, 1877.
——. See CARPENTER (William Benjamin), FEILDEN (H. W.), "PORCUPINE EXPEDITION," and "VALOROUS EXPEDITION."
Jeffries (David). A Treatise on Diamonds and Pearls. 8vo. *London*, 1871.
Jeitteles (Ludwig Heinrich). Bericht über das Erdbeben am 15. Jänner 1858 in den Karpathen und Sudeten. (Tract.) 8vo. *Vienna*, 1859.
——. Versuch einer Geschichte der Erdbeben in den Karpathen- und Sudeten-Ländern bis zu Ende des achtzehnten Jahrhunderts. (Tract.) 8vo. *Berlin*, 1860.
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Jentzsch (Alfred). Die geologische und mineralogische Literatur des Königreiches Sachsen von 1835 bis 1873. [Geologische Landesuntersuchung des Königr. Sachsen.] 8vo. *Leipzig*, 1874.
——. Bericht über die geologische Durchforschung der Provinz Preussen im Jahre 1876. (Tract.) 4to. *Königsberg*, 1877.
Jenyns (Leonard). A Manual of British vertebrate animals. 8vo. *Cambridge* and *London*, 1835.
——. Some Remarks on the Study of Zoology, and on the present state of the science. (Tract.) 8vo. *Edinburgh*, 1837.
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Jenzsch (Gustav). Beiträge zur Kenntniss einiger Phonolithe des böhmischen Mittelgebirges. (Tract.) 8vo. *Berlin*, 1856.
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Jerdan (William). Illustrations of the Plan of a National Association for the Encouragement and Protection of Authors, and men of talent and genius. (Tract.) 8vo. *London*, 1839.

——. See Berneaud (Arsenne Thiébaut de).

Jervis (William Paget [*Guglielmo*]). The Mansfeld Copper-slate Mines in Prussian Saxony. (Tract.) 8vo. *London*, no date.

——. Mineral Resources of Tuscany. II. (Tract.) 8vo. *London*, 1860.

——. Mineral Resources of Tuscany. VI. (Tract.) 8vo. *London*, 1860.

——. On the History, Geological and Geographical Distribution, and Commercial Bearing of the Marbles of Tuscany and Modena, and of the Boracic acid Lagoons of the Maremme. (Tract.) 8vo. *London*, 1860.

——. The Marbles and Boracic acid Lagoons of Tuscany. (Tract.) 8vo. *London*, 1860.

——. The Mineral Resources of Central Italy. 8vo. *London*, 1862.

——. Supplement to the Mineral Resources of Central Italy. (Tract.) 8vo. *London*, 1868.

——. Guida alle Acque Minerali d'Italia, cenni storici e geologici, coll' indicazione delle proprietà fisiche, chimiche e mediche delle singole sorgenti corredata di analisi chimiche. Provincie centrali. 2 copies. 8vo. *Turin*, 1868.

——. Cenni geologici sulle montagne poste in prossimità al giacimento di Antracite di Demonte. (Tract.) 8vo. *Turin*, 1873.

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Jervis (William Paget [*Guglielmo*]). The Anthracite Coal of Demonte, near Cuneo, in the Italian Alps. (Tract.) 2 copies.
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Jerwood (James). A Lecture on the new Planet Neptune, and its discovery. (Tract.) 8vo. *London*, 1849.

——. A Dissertation on the Rights to the Sea Shores, and to the soil and bed of Tidal Harbours and Navigable Rivers. 8vo. *London*, 1850.

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Jevons (W. Stanley). The Coal Question; an inquiry concerning the progress of the nation, and the probable exhaustion of our Coal-mines. 8vo. *London* and *Cambridge*, 1865.

Jewett (Charles C.). Notices of Public Libraries in the United States of America. [Smithsonian Reports.] (Tract).
8vo. *Washington*, 1851.

——. On the Construction of Catalogues of Libraries, etc. 2nd edition. [Smithsonian Reports.] (Tract.) 8vo. *Washington*, 1853.

Jirasek (Johann), **Hänke** (T.), **Gruber** (T.), and **Gerstner** (F.). Beobachtungen auf Reisen nach dem Riesengebirge.
4to. *Dresden*, 1788–91.

Jobert (Antoine C. Gabriel). The Philosophy of Geology.
8vo. *London* and *Paris*, 1846.

——. Ideas or Outlines of a new System of Philosophy. 2 vols.
8vo. *London*, 1848.

——. See Boué (A.) and Croizet (—).

John (Conrad). See Stache (Guido).

Johnson (C. W.). See Westall (Edward).

Johnson (Christopher). See Meneghini (G.).

Johnson (James). A [sale] Catalogue of his celebrated and extensive collection of Fossils, Minerals, etc. (Tract.) 8vo. *Bristol*, 1845.

Johnson (M. Hawkins). Flint. (Tract.) 8vo. *London*, 1871.

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Johnson (Walter R.). A report to the Navy Department of the United States on American Coals. 8vo. *Washington*, 1844.

Johnston (Alexander Keith). The Physical Atlas; a series of maps and notes illustrating the geographical distribution of Natural Phenomena. 2 vols. Fol. *Edinburgh*, *Glasgow*, *London*, and *Dublin*, 1848.

——. Historical notice of the Progress of the Ordnance Survey in Scotland. With remarks on the Scale adopted for the Ordnance Map of Scotland. (Tract.) 2 copies. 8vo. *Edinburgh*, 1851.

Johnston (George). A History of the British Zoophytes.
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——. Lectures on Agricultural Chemistry and Geology. 8vo. *Edinburgh* and *London*, 1847.

——. Contributions to Scientific Agriculture. 8vo. *London*, 1849.

——. Elements of Agricultural Chemistry and Geology. 3rd edition. 8vo. *Edinburgh* and *London*, 1864.

——. See Reports, Colonial. New Brunswick.

Johnston (Margaret). See Meyen (F. J. F.).

Johnston (R. M.). Further notes on the Tertiary Marine Beds of Table Cape, Tasmania. (Tract.) 8vo. *Hobart Town*, 1876.
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Johnstrup (Fr.). Grönsandslagene i Danmark. (Tract.) 8vo. *Copenhagen*, 1872.

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Jolly (P. G.). Ueber die Physik der Molecularkräfte. (Tract.) 4to. *Munich*, 1857

Joly (N.) and **Leymerie** (A.). Mémoire sur les Nummulites considérées zoologiquement et géologiquement. (Tract.) 8vo. *Toulouse*, 1848.

Jomard (E. François). Rapport fait à l'Académie Royale des Inscriptions et Belles-lettres sur un pied romain trouvé dans la forêt de Maulevrier, près de Caudebec. (Tract.) 4to. *Paris*, 1839.

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Jones (John). Rambles round Chard with a hammer. 8vo. *Chard*, 1860.

——. Notes on the Geology of the Midland Counties. (Tract.) 8vo. *Birmingham* and *London*, 1866.

Jones (John Mathew). The Naturalist in Bermuda: a sketch of the Geology, Zoology, and Botany of that remarkable group of Islands, etc. 8vo. *London*, 1859.

Jones (Thomas Rupert). A monograph of the Entomostraca of the Cretaceous Formation of England. [Palæontographical Society.] 4to. *London*, 1849

Jones (Thomas Rupert). Description of the Entomostraca of the Pleistocene Beds of Newbury, Copford, Clacton, and Grays. (Tract.) 8vo. *London*, 1850.

——. Tunicata. (Tract.) 8vo. *London*, 1850.

——. A Catalogue of British Fossils, comprising the genera and species hitherto described, etc., by John Morris. [Review.] (Tract.) 8vo. *London*, 1852.

——. A Lecture on the Geological History of the vicinity of Newbury, Berks. (Tract.) 8vo. *London*, 1854.

——. A Monograph of the Tertiary Entomostraca of England. [Palæontographical Society.] 4to. *London*, 1857.

——. A Monograph of the Fossil *Estheriæ*. [Palæontographical Society.] 4to. *London*, 1862.

——. On Fossil *Estheriæ* and their distribution. (Tract.) 2 copies. 8vo. *London*, 1863.

——. On the oldest known Fossil, *Eozoon canadense*, of the Laurentian Rocks of Canada. (Tract.) 8vo. *London*, 1865.

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Jones (Thomas Rupert) and **King** (C. Cooper). On some newly exposed Sections of the "Woolwich and Reading Beds" at Reading, Berks. (Tract.) 8vo. *London*, 1875.

—— and **Kirkby** (James W.). On the Entomostraca of the Carboniferous Rocks of Scotland. (Tract.) 8vo. *Glasgow*, 1867.

——, ——, and **Brady** (G. S.). A Monograph of the British Fossil Bivalved Entomostraca from the Carboniferous Formations. (Palæontographical Society.) 4to. *London*, 1874, *etc.*

——, ——, ——. ——. Part I. 4to. *London*, 1874.

——, ——, and **Holl** (H. B.). Notes on Palæozoic Bivalved Entomostraca. Nos. I.–VII. and IX.–XIII. (Tracts.) 8vo. *London*, 1855–79.

See also Kirkby (J. W.).

—— and **Parker** (W. K.). On some Fossil Foraminifera from Chellaston, near Derby. (Tract.) 8vo. *London*, 1860.

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—— ——. Notes on Eley's Foraminifera from the English Chalk. (Tract.) 8vo. *London*, 1872.

—— ——. On the Foraminifera of the family Rotalinæ (Carpenter), found in the Cretaceous Formations; with notes on their Tertiary and recent representatives. (Tract.) 8vo. *London*, 1872.

—— ——. Notice sur les Foraminifères vivants et fossiles de la Jamaïque. Suivi de la description d'une espèce nouvelle des couches Miocènes de la Jamaïque, par H. B. Brady. (Tract.) 8vo. *Brussels*, 1876.

—— ——. On some Recent and Fossil Foraminifera dredged up in the English Channel. (Tract.) 8vo. *London*, 1876.

——, ——, and **Brady** (H. B.). A Monograph of the Foraminifera of the Crag. (Palæontographical Society.) 8vo. *London*, 1866, *etc.*

See also Parker (W. K.).

—— and **Whitaker** (William). Addresses to the Newbury-District Field-Club, September 17th, 1872, [1878], being remarks on the Chalk, Sands, and Clays exposed at Shaw Hill, near Newbury. (Tract.) 8vo. *Newbury*, 1878.

Jones (Thomas Rymer). See Surveys: Canada.

Jones (William). Physiological Disquisitions; or Discourses on the Natural Philosophy of the Elements. 4to. *London*, 1781.

Jones (William Arthur). On the Geological Formations in the neighbourhood of Dunster. (Tract.) 8vo. *Taunton*, 1856.

——. The Geology and Antiquities of the Mendip Hills. (Tract.) 8vo. (Newspaper slips.) *Taunton*, 1857.

Jones (William Arthur). The Mendip Bone Caverns; or the Haunt of the Tiger and the Elephant, etc. (Tract.) 8vo. *Taunton*, 1857.

——. Report upon the Reconnaissance of North-western Wyoming. 8vo. *Washington*, 1875.

Jordan (Henry K.). A Catalogue of British Mollusca . . . . compiled from Volumes I., II., and III. of Jeffreys's 'British Conchology.' Parts I. and II. (Tracts.) (Part I. in duplicate.) 8vo. *Bristol*, 1866–70.

——. The Pencoed, Mynydd-y-Gaer, and Gilfach Goch Mineral Districts. 8vo. *London*, 1876.

Jordan (James B.). Elementary Crystallography; with which is given a series of nets for the construction of models illustrative of the simple crystalline forms. [Murby's Text-Books.] 8vo. *London*, 1873.

Jordan (Johann Ludwig). Mineralogische und chemische Beobachtungen und Erfahrungen. 8vo. *Göttingen*, 1800.

——. Mineralogische berg- und hüttenmännische Reisebemerkungen vorzüglich in Hessen, Thüringen, am Rheine und im Seyn-Altenkirchner Gebiete. 8vo. *Göttingen*, 1803.

Jordan (William Leighton). A Lecture on the Winds, Ocean-currents, and Tides, and what they tell of the System of the World. 8vo. *London*, 1877.

——. The Winds and their story of the World. 8vo. *London*, 1877.

Jorden (Ed.). A Discourse of Natural Baths and Mineral Waters: etc. 4to. *London*, 1631.

Jourdy (E.). See TERQUEM (O.).

Jouve (J. Duval-). See DUVAL-JOUVE (J.).

Jouvencel (Paul de). Genèse selon la Science. La Vie. 2me édition. 8vo. *Paris*, 1862.

——. ——. Les commencements du Monde. 2me édition. 8vo. *Paris*, 1862.

——. ——. Les Déluges. Première partie: Geologie. 8vo. *Paris*, 1862.

Joyce (Frederick). Practical Chemical Mineralogy. 8vo. *London*, 1825.

Judd (John Wesley). On the Strata which form the base of the Lincolnshire Wolds. (Tract.) 8vo. *London*, 1867.

——. On the Speeton Clay. (Tract.) 8vo. *London*, 1868.

——. On the use of the term Neocomian. (Tract.) 8vo. *London*, 1870.

——. On the anomalous mode of growth of certain fossil Oysters. (Tract.) 8vo. *London*, 1871.

——. On the Punfield Formation. (Tract.) 8vo. *London*, 1871.

——. The Secondary Rocks of Scotland. First Paper. With a note on some Brachiopoda by T. Davidson. (Tract.) 8vo. *London*, 1873.

——. The Secondary Rocks of Scotland. Second Paper. On the Ancient Volcanos of the Highlands and the Relations of their Products to the Mesozoic Strata. (Tract.) 8vo. *London*, 1874.

——. On the Structure and Age of Arthur's Seat, Edinburgh. (Tract.) 8vo. *London*, 1875.

——. Contributions to the Study of Volcanos. (Tract.) 8vo. *London*, 1875–76.

Judd (John Wesley). Inaugural Lecture delivered to the Royal School of Mines on commencing of his course, 12th Feb. 1877. 8vo. *London*, 1877.

——. The Secondary Rocks of Scotland. Third Paper. The Strata of the Western Coast and Islands. (Tract.) 8vo. *London*, 1878.

——. On the Oligocene Strata of the Hampshire Basin. (Tract.) 8vo. *London*, 1880.

——. The Classification of the Tertiary deposits. (Tract.) 8vo. *London*, 1880.

——. See Surveys: England and Wales.

Jukes (Joseph Beete). Report on the Geology of Newfoundland. (Tract.) 2 copies. Fol. 1839.

——. Excursions in and about Newfoundland during the years 1839 and 1840. 2 vols. 8vo. *London*, 1842.

——. The Geology of Charnwood Forest. (Tract.) 4to. *Nottingham*, 1842.

——. General Report of the Geological Survey of Newfoundland, executed during the years 1839 and 1840. (Tract.) 8vo. *London*, 1843.

——. Narrative of the Surveying Voyage of H.M.S. 'Fly,' in Torres Strait, New Guinea, and other Islands of the Eastern Archipelago during the years 1842–1846, together with an excursion into the interior of the eastern part of Java. 2 vols. 8vo. *London*, 1847.

——. A Sketch of the Physical Structure of Australia. 8vo. *London*, 1850.

——. On the Geology of the South Staffordshire Coal-field. 8vo. *London*, 1853.

——. Popular Physical Geology. 8vo. *London*, 1853.

——. Annual Address delivered before the Geological Society of Dublin, February 14, 1855. (Tract.) 8vo. *Dublin*, 1855.

——. The South Staffordshire Coal-field. 2nd edition. (Memoirs of the Geological Survey of Great Britain.) 2 copies. 8vo. *London*, 1859.

——. Geology of Belfast and the North of Ireland. The Probabilities of Coal Discovery. Newspaper cutting. *Belfast*, 1861.

——. Address to the Geological Section of the British Association, Cambridge, 1862. (Tract.) 8vo. *London*, 1862.

——. The Student's Manual of Geology. 2 copies. 8vo. *Edinburgh*, 1862.

——. The Student's Manual of Geology. 3rd edition. Edited by Archibald Geikie. 8vo. *Edinburgh*, 1872.

——. Notes for a comparison between the Rocks of the South-west of Ireland and those of North Devon and of Rhenish Prussia. (Tract.) 2 copies. 8vo. *Dublin*, 1865.

——. Additional notes on the grouping of the Rocks of North Devon and West Somerset. (Tract.) 8vo. *Dublin*, 1867.

——. Her Majesty's Geological Survey of the United Kingdom, and its connexion with the Museum of Irish Industry in Dublin, and that of Practical Geology in London. (Tract.) 8vo. *Dublin*, 1867.

——. Notes on parts of South Devon and Cornwall, etc. (Tract.) 2 copies. 8vo. *Dublin*, 1868.

Jukes (Joseph Beete). Letters and Extracts from *his* Addresses and occasional writings, edited by his sister (C. A. Browne). 8vo. *London*, 1871.

——. See Potter (T. R.).

——, **Forbes** (Edward), **Playfair** (Lyon), **Smyth** (Warington W.), **Percy** (John), and **Hunt** (Robert). Lectures on Gold, for the instruction of emigrants about to proceed to Australia. 2nd edition. 8vo. *London*, 1853.

—— and **Haughton** (Samuel). On the Lower Palæozoic Rocks of the South-east of Ireland and their associated Igneous Rocks. (Tract.) 8vo. *Dublin*, 1859.

Jukes-Browne (A. J.). See Browne (A. J. Jukes-).

Julien (A. A.). On the Fissure-inclusions in the Fibrolitic Gneiss of New Rochelle, N. Y. (Tract.) 8vo. *New York*, 1879.

Junghann (G.). Zur theoretischen Krystallographie. (Tract.) 8vo. *Stuttgart*, 1879.

Junghuhn (Franz). Die Battaländer auf Sumatra. 2 vols. 8vo. *Berlin*, 1847.

——. Java, seine Gestalt, Pflanzendecke und innere Bauart. Nach der zweiten, verbesserten Auflage des holländischen Originals ins Deutsche übertragen von J. K. Hasskarl. 3 vols. 8vo; Atlas, fol. (1853). *Leipzig*, 1857.

Jura. Préavis de la Commission spéciale des Mines du Jura addressé au Conseil-Exécutif du Canton de Berne. (Tract.) 8vo. *Porrentruy*, 1854.

Jussieu (Laurent-Pierre de). Sur des grenats de Finlande. (Tract.) 4to. *Paris*, 1811.

K.

K * * * (E. von). Die Erdbeben. Populäre analyse und Darstellung ihrer physikalisch-geologischen Ursachen. (Tract.) 8vo. *Vienna*, 1844.

Kalckbrenner (Karl). Icones Selectæ Hymenomycetum Hungariæ per S. Schulzer et C. Kalckbrenner observatorum et delineatorum. Editæ sub auspiciis Academiæ Scientiarum Hungaricæ cura Caroli Kalckbrenner. II.–IV. 4to. *Budapesth*, 1874–77.

Kalkowsky (Ernst). Die Gneissformation des Eulengebirges. (Tract.) 8vo. *Leipzig*, 1878.

Kämtz (Ludwig Friedrich). Sur l'Hydrométrie. (Tract.) 8vo. *Brussels*, 1862?

Kane (Elisha Kent). Tidal observations in the Arctic Seas, reduced and discussed by Charles A. Schott. (Tract.) 4to. *Washington*, 1860.

Kane (G. R.). Report on the Nature and Products of the process of the destructive distillation of Peat. 8vo. *London*, 1851.

Kapf (Friedrich). Beyträge zur Geschichte des fürstenbergischen Bergbaues im kinziger Thale. (Tract.) 8vo. *Cassel*, 1785.

Kapp (Christian). Neptunismus und Vulkanismus: in Beziehung auf von Leonhard's Basalt-Gebilde. (Tract.) 8vo. *Stuttgart*, 1834.

Karajan (Theodor Georg von). Festrede bei der feierlichen übernahme des ehemaligen Universitätsgebaudes durch die k. Akademie der Wissenschaften gehalten am 29. October, 1857. (Tract.) 4to. *Vienna*, 1857.

Karélin (Grégoire). Extrait du Journal d'un voyage fait en Djoungarie ou Sungarie en 1841. (See Fischer de Waldheim (Gotthelf). Jubilæum, etc.) Fol. *Moscow*, 1847.

Karlsson (V.). See Surveys: Sweden.

Karrer (Felix). Ueber das Auftreten der Foraminiferen in dem marinen Tegel des Wiener Beckens. (Tract.) 8vo. *Vienna*, 1861.

——. Ueber das Auftreten der Foraminiferen in den brakischen Schichten (Tegel und Sand) des Wiener Beckens. (Tract.) 8vo. *Vienna*, 1863.

——. Ueber das Auftreten der Foraminiferen in den Mergeln der marinen Uferbildungen (Leythakalk) des Wiener Beckens. (Tract.) 8vo. *Vienna*, 1864.

——. Die Foraminiferenfauna des tertiären Grünsandsteines der Orakei-bay bei Auckland. (Tract.) 4to. *Vienna*, 1864.

——. Ueber das Auftreten von Foraminiferen in den älteren Schichten des Wiener Sandsteins. (Tract.) 8vo. *Vienna*, 1865.

——. Zur Foraminiferenfauna in Oesterreich. (Tract.) 8vo. *Vienna*, 1867.

——. Die miocene Foraminiferenfauna von Kostej im Banat. (Tract.) 8vo. *Vienna*, 1868.

——. Ueber ein neues Vorkommen von oberer Kreideformation in Leitzersdorf bei Stockerau und deren Foraminiferenfauna. (Tract.) 8vo. *Vienna*, 1870.

——. Geologie der Kaiser Franz Josefs Hochquellen-Wasserleitung. Eine Studie in den Tertiär-Bildungen am Westrande des alpinen Theiles der Niederung von Wien. 4to. *Vienna*, 1877.

——. Die Foraminiferen der tertiären Thone von Luzon. (Tract.) 4to. *Vienna*, 1878.

——. See Drasche (Richard von) and Novara Expedition.

—— and **Sinzow** (Johann). Ueber das Auftreten des Foraminiferen-Genus *Nubecularia* im sarmatischen Sande von Kischenew. (Tract.) 8vo. *Vienna*, 1876.

Karsten (Dietrich Ludwig Gustav). Obituary notice. See Buch (Leopold von).

——. Museum Leskeanum. Quod ordine systematico disposuit atque descripsit. Vol. I. Regnum Animale. Vol. II. pars 1. Regnum Minerale. Vol. II. pars 2. N. G. Leske hinterlassenes Mineralien-Kabinet systematisch geordnet und beschrieben. 8vo. *Leipzig*, 1789.

——. A description of the Minerals in the Leskean Museum. Translated by George Mitchell. Vol. I. Containing the characteristic and systematic collections. 2 copies. 8vo. *Dublin*, 1798.

——. Mineralogische Bemerkungen über das arseniksäure, salzsäure und phosphorsäure Kupfer, etc. (Tract.) 4to. *Berlin*, 1801.

——. Kurze Nachricht über das in der Neumark aufgefundene Erdpech. (Tract.) 4to. *Berlin*, 1803.

——. Ueber die Steinkohlen-Flotze bei Hultschin in Ober-Schlesien. (Tract.) 4to. *Berlin*, 1803.

——. Ueberfluss von Braunkohlen in der Neumark. (Tract.) 4to. *Berlin*, 1803.

——. Die äusseren Kennzeichen der Fossilien in xii. Tafeln gebracht. 8vo. *Berlin*?, 1806?

Karsten (Dietrich Ludwig Gustav). Mineralogische Tabellen, mit Rücksicht auf die neuesten Entdeckungen. Fol. *Berlin*, 1808.

——. See Riess (Johann Philipp).

Karsten (Karl Johann Bernhard). Handbuch der Eisenhüttenkunde. 2 vols. 8vo. *Halle*, 1816.

Karsten (Gustav). Beiträge zur Landeskunde der Herzogthümer Schleswig und Holstein. I. Reihe. Mineralogischen Inhaltes. Heft 1. 4to. *Kiel*, 1869.

Karsten (O. B. R.). See Reuss (Franz Ambros).

Kaufmann (Franz Joseph). Untersuchungen über die mittel- und ostschweizerische subalpine Molasse. (Tract.) 4to. *Lucerne*?, 1860.

——. See Surveys: Switzerland. Matériaux pour la carte géologique de la Suisse.

Kaup (J. J.). Beiträge zur näheren Kenntniss der urweltlichen Säugethiere. Heft 1–5. 4to. *Darmstadt*, 1854–59.

——. Neue aalähnliche Fische des Hamburger Museums. (Tract.) 4to. *Hamburg*, 1859.

——. See British Museum and Klipstein (August von).

Kawall (J. H.). Enneas Ichneumonidarum Curoniæ quas descripsit novas. (Tract.) 8vo. *Moscow*, 1869.

Kayser (Emanuel). Ueber die Contact-Metamorphose der körnigen Diabase im Harze. (Tract.) 8vo. *Berlin*, 1870.

——. Die Brachiopoden des Mittel- und Ober-Devon der Eifel. 8vo. *Berlin*, 1871.

——. Neue Fossilien aus dem rheinischen Devon. (Tract.) 8vo. *Berlin*, 1872.

——. Studien aus dem Gebiete des rheinischen Devon. III. Die Fauna des Rotheisensteins von Brilon in Westfalen. (Tract.) 8vo. *Berlin*, 1872.

——. Studien aus dem Gebiete des rheinischen Devon. (Tract.) 8vo. *Berlin*, 1873.

——. Beiträge zur Geologie und Paläontologie der argentinischen Republik. II. Paläontologischer Theil. I. Abtheilung. Ueber primordiale und untersilurische Fossilien aus der argentinischen Republik. (Tract.) 4to. *Cassel*, 1876.

See also Geinitz (Hans Bruno).

Keeping (H.). List of fossil Species. (Tract.) 8vo. *Freshwater*.

Keferstein (Christian). Tabellen über die vergleichende Geognosie. (Tract.) 4to. *Halle*, 1825.

——. Die Naturgeschichte des Erdkörpers in ihren ersten Grundzügen. 2 vols. 2 copies. 8vo. *Leipzig*, 1834.

——. Mineralogia polyglotta. 8vo. *Halle*, 1849.

——. See Serials, etc.: Weimar. Teutschland . . . . dargestellt.

Keilhau (Balthazar Matthias). Darstellung der Uebergangs-Formation in Norwegen; nach dem Manuscripte übersetzt von Dr. Carl Naumann. (Tract.) 8vo. *Leipzig*, 1826.

——. Bidrag til Spitzbergens og Beeren-Eilands Flora, efter Herbarier. (Tract.) 8vo. *Christiania*, 1832–33,

——. Efterretninger om Jordskjælv i Norge. (Tract.) 2 copies. 8vo. *Christiania*, 1836.

Keilhau (Balthazar Matthias). Granitens og de övrige saakaldte massive Bjergarters samt de krystalliniske Skiferes Theorie, fremsat i Forelæsninger over Geologien ved Universitetet i Christiania 1836. (Tract.) 8vo. *Christiania*, 1836.

——. Gaea Norvegica. Von mehreren Verfassern (B. M. Keilhau, K. F. Böbert, C. Boeck, A. Vibe, Th. Scheerer, und P. A. Munch). Heft I.–III. 2 copies. 4to. *Christiania*, 1838–50.

——. Einiges Gegen den Vulkanismus. (Tract.) 8vo. *Christiania*, 1840.

——. Biographie von ihm selbst. (Tract.) 8vo. *Christiania*, 1857.

——. See Dechen (H. von) and Hörbye (J. C.).

Keill (J.). An examination of Dr. Burnet's theory of the Earth, with some remarks on Mr. Whiston's theory of the Earth. . . . To the whole is annexed a dissertation on the different figures of the cœlestial bodies, etc. . . . by M. de Maupertuis. 2nd edition. 8vo. *London* and *Oxford*, 1734.

Kelaart (Edward Frederic). Flora Calpensis. Contributions to the botany and topography of Gibraltar and its neighbourhood. 8vo. *London*, 1846.

——. Prodromus Faunæ Zeylanicæ; being contributions to the zoology of Ceylon. Vol. I. and vol. II. part 1 (all published). 8vo. *Colombo* and *London*, 1852–54.

——. Notes on the Geology of Ceylon. Laterite formation.—Fluviatile deposit of Neuera Ellia. (Tract.) 8vo. *London*, 1853.

Keller (Ferdinand.) Résultats des recherches exécutées dans les lacs de la Suisse occidentale. Pfahlbauten. 6er und 7er Bericht. (Tracts.) 4to. *Zurich*, 1866–76.

——. Etablissements lacustres. (Résultat des recherches exécutées dans les lacs de la Suisse occidentale.) (Tract.) 4to. *Zurich*, 1876.

——. The Lake-dwellings of Switzerland and other parts of Europe. 2nd edition. Translated and arranged by John Edward Lee. 2 vols. 8vo. *London*, 1878.

Kelley (F. M.). On the junction of the Atlantic and Pacific Oceans, and the practicability of a ship-canal without locks by the valley of the Atrato. (Tracts.) 8vo. *London*, 1856.

Kelly (John). Some remarks on the doctrine of characteristic Fossils. (Tract.) 8vo. *Dublin*, 1864.

Kelly (William). On the temperature of the Springs at Quebec. (Tract.) 8vo. *Quebec*, 1837.

Kendall (F.). A descriptive catalogue of the Minerals and fossil Organic Remains of Scarborough and the vicinity. 8vo. *Scarborough*, 1816.

Kennedy (J. P.). On a general system of Railways for India. (Tract.) Fcap. fol. *London*, 1854.

Kenngott (Adolf). Mineralogische Untersuchungen, betreffend die Minerale: Zinkenit, Gyps, Antimonsilber, Kupferglanz, Millerit, Pyrrhotin, Danait, &c. (Tract.) 8vo. *Vienna*, 1852.

——. Synonymik der Krystallographie. 8vo. *Vienna*, 1855.

——. Elemente der Petrographie. 8vo. *Leipzig*, 1868.

——. Microscopical investigation of thin polished laminæ of the Knyahynia meteorite. (Tract.) 8vo. *London*, 1869.

Kenrick (John). The inscribed tablet of Dhibân, known as "The Moabite Stone." (Tract.) 8vo. *York*, 1870.

Kératio (M. de). See Gruner (E. L.).

Kergomard (Jules). Essai biographique sur Marie Rouault, Directeur du Musée Géologique de Rennes. (Tract.) 8vo. *Rennes*, 1861.

Kerigan (Thomas). A practical treatise on the Eclipses of the Sun and Moon, and the deflection of the Moon and Planets, with remarks on the anomalies of the present theory of tides. 8vo. *London*, 1844.

——. The anomalies of the present theory of the Tides elucidated by additional facts and arguments, etc. (Tract.) 8vo. *London*, 1847.

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Kerl (Bruno). Der Communion-Unterharz. (Tract.) 8vo. *Freiberg*, 1853.

Kern (Johann Gottlieb von). Vom Schneckensteine oder dem sächsischen Topasfelsen. 4to. *Prague*, 1776.

Kersten (Otto). See Von der Decken (Carl Claus). Reisen in Ost-Africa in 1859–1865.

Kessler (C.). Die vorzüglichsten Fährten-Abdrücke urweltlicher Thiere in buntem Sandstein aus den Sandsteinbrüchen der Umgegend von Hildburghausen. Mit einem Vorwort herausgegeben von F. K. L. Sickler. Erstes Heft. (Tract.) 4to. *Hildburghausen*, 1836.

Kestner (A. Scheurer-). See Scheurer-Kestner (A.).

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Keyserling (Alexander von). Wissenschaftliche Beobachtungen auf einer Reise in das Petschora-Land im Jahre 1843. 8vo. *St. Petersburg*, 1846.

——. See Murchison (*Sir* Roderick Impey).

Kickx (Jean). Obituary. See Quetelet (Ad.).

Kidd (J.). Outlines of Mineralogy. 2 vols. 8vo. *Oxford*, 1809.

——. A Geological Essay on the imperfect evidence in support of a theory of the Earth, deducible either from its general structure or from the changes produced on its surface by the operation of existing causes. 8vo. *Oxford*, 1815.

Kimball (James P.). On the Iron ores of Marquette, Michigan. (Tract.) 8vo. *New Haven*, 1865.

——. Notes on the Geology of Western Texas and of Chihuahua, Mexico. (Tract.) 8vo. *New Haven*, 1869.

——. On the Silver mines of Santa Eulalia, State of Chihuahua, Mexico. (Tract.) 8vo. *New Haven*, 1870.

——. I. Relations of Sulphur in Coal and Coke. II. Oxidation or weathering of Coal. (Tract.) 8vo. *Easton*, 1879.

Kinahan (G. Henry). Manual of the Geology of Ireland. 8vo. *London*, 1878.

King (Charles Cooper). [Reviews of] 'Manual of Natural History, Geology, and Physics,' and 'Instructions for the Arctic Expedition, 1875.' (Tracts.) 8vo. *London*, 1875–76.

——. See Jones (Thomas Rupert).

King (Clarence). Systematic Geology.—Exploration of the Fortieth Parallel. See Surveys: United States.

King (Phillip Parker). Selections from a Meteorological Journal kept on board H.M. Ship 'Adventure' during the Survey of the Southern Coasts of South America, 1827–1830. (Privately printed tract.)

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——. See Admiralty Publications.

King (T. Butler). Report on California. (Tract.) 8vo. *Washington*, 1850.

King (William). On the Genus *Sigillaria*. (Tract.) 8vo. *Edinburgh*, 1845.

——. A Catalogue of the Organic Remains of the Permian Rocks of Northumberland and Durham. (Tract.) 2 copies. 8vo. *Newcastle*, 1848.

——. A Monograph of the Permian Fossils of England. (Palæontographical Society.) 4to. *London*, 1850.

——. On the occurrence of Permian Magnesian Limestone at Tullyconnel, near Artrea, in the County of Tyrone. (Tract.) 8vo. *Dublin*, 1855.

——. Notes on Permian Fossils.—Palliobranchiata. (Tract.) 8vo. *London*, 1856.

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——. On *Pleurodictyum problematicum*. (Tract.) 8vo. *London*, 1856.

——. Historical account of the Invertebrata occurring in the Permian Rocks of the North of England. With sequel. (Tract.) 4to. *London*, 1859.

——. Synoptical Table of Aqueous Rock-groups, chiefly British, arranged in their order of superposition and chronological sequence. 5th edition. (Tract.) 2 copies. 8vo. *Belmont, near Galway*, 1863.

——. On some Palliobranchiate Shells from the Irish Atlantic. (Tract.) 8vo. *Dublin*, 1868.

——. On the Histology of the Test of the Class Palliobranchiata. (Tract.) 4to. *Dublin*, 1869.

——. List of *his* published Scientific Writings. (Tract.) 8vo. *Galway*, 1879.

——. See Foote (R. Bruce).

—— and **Rowney** (Thomas H.). On the so-called "Eozoonal Rock." (Tract.) 8vo. *London*, 1866.

—— ——. On *Eozoon canadense*. (Tract.) 8vo. *Dublin*, 1870.

—— ——. On the Geological Age and Microscopic Structure of the Serpentine Marble or Ophite of Skye. (Tract.) 8vo. *Dublin*, 1871.

—— ——. On the Mineral Origin of the so-called "*Eozoon canadense*." (Tract.) 8vo. *Dublin*, 1871.

Kingsley (J. S.). Synopsis of the North-Amerian species of the Genus *Alpheus*. (Tract.) 8vo. *Washington*, 1878.

Kingsmill (Thomas W.). The Border Lands of Geology and History. (Tract.) 8vo. *Shanghai*, 1877.

Kingston (*Sir* George Strickland). Register of the Rain-gauge kept in Grote Street, Adelaide, 1839–74. (Tract.) 2 copies. 4to. *Adelaide*, 1874.

See Reports, Colonial. South Australia.

Kirby (William). Biographical Notice. See SPENCE (William).
——. On the History, Habits, and Instincts of Animals. (Bridgewater Treatise.) 2 vols. 8vo. *London*, 1835.
Kirchenpauer (—). Die Seetonnen der Elbmündung. Ein Beitrag zur Thier- und Pflanzen-Topographie. (Tract.) 4to. *Hamburg*, 1862.
Kircher (Athanasius). Mundus Subterraneus, in XII. Libros digestus. Fol. *Amsterdam*, 1665.
Kirchner (Traugott Wilhelm). Die Versteinerungen und Fossilien welche bei Sorau und in der Umgegend gefunden werden, &c. (Tract.) 8vo. *Sorau*, 1834.
Kirkby (James W.). On Permian Entomostraca from the Shell-Limestone of Durham; with Notes on the Species by T. R. Jones. (Tract.) 8vo. *Newcastle*, 1858–60.
——. On some Fossils from the Lower Magnesian Limestone of Sunderland; and on the occurrence of Fossils in the highest beds of the Durham Coal-Measures. (Tract.) 8vo. *Newcastle*, 1863–64.
——. An Address to the Sunderland Geological Society. (Tract.) 8vo. *Sunderland*, 1865.
——. On the Fossils of the Marl-Slate and Lower Magnesian Limestone, Durham. No. II. (Tract.) 8vo. *Newcastle*, 1867.
——. See BROWELL (E. J. J.), HOWSE (Richard), JONES (Thomas Rupert), PARKER (W. K.), etc.
—— and **Atthey** (Thomas). On some Fish-remains from the Durham and Northumberland Coal-measures. (Tract.) 8vo. *Newcastle*, 1863.
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Kirschbaum (C. L.) Ueber *Hoplisus punctuosus*, Eversm., und *Hoplisus punctatus*, n. sp. (Tract.) 4to. *Wiesbaden*, 1855.
——. Die *Athysanus*-Arten der Gegend von Wiesbaden. (Tract.) 4to. *Wiesbaden*, 1858.
Kirwan (Richard). Elements of Mineralogy. 8vo. *London*, 1784.
——. ——. 2nd edition. 2 vols. 8vo. *London*, 1794.
——. Remarks on Mr. Cavendish's Experiments on Air. (Tract.) 4to. *London*, 1784.
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Kittredge (George F.). The present condition of the Earth's Interior. (Tract.) 8vo. *Buffalo*, 1876.
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——. Die Geologie des südlichen und mittleren Norwegen. 8vo. *Bonn*, 1880.

——. See Hiortdahl (Theodor) and Sars (M.).

—— and **Dahll** (Tellef). Ueber das Vorkommen der Eisen-Erze bei Arendal, Näs und Kragerö. (Tract.) 8vo. *Berlin*, 1862.

—— ——. Carte géologique de la Norvège méridionale. (Texte.) (Tract.) 8vo. *Christiania*, 1866.

—— ——. Geologisk kart over det söndenfjeldske Norge. (Tract.) 8vo. *Christiania*, 1866.

Klaproth (Martin Henry). Observations relative to the Mineralogical and Chemical History of the Fossils of Cornwall, translated from the German by J. G. Groschke. (Tract.) 8vo. *London*, 1787.

——. Analytical essays towards promoting the chemical knowledge of Mineral Substances. 2 vols. 8vo. *London*, 1801.

——. See Humboldt (F. H. A. von).

Klatt (F. W.). See Von der Decken (Carl Claus). Reisen in Ost-Africa in 1859–65.

Klein (Carl). Einleitung in die Krystallberechnung. 8vo. *Stuttgart*, 1876.

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——. Beiträge zur geologischen und topographischen Kenntniss der östlichen Alpen. Band II. Abth. 1 & 2. (Tracts.) 4to; *Giessen*, 1871–75.

—— and **Kaup** (J. J.). Description d'un crâne colossal de *Dinotherium giganteum* trouvé dans la province rhénane du grand-duché de Hesse-Darmstadt, précédée d'une dissertation géologique sur les formations fossilifères du bassin tertiaire du Rhin moyen. (Tract.) 4to; Plates, fol. *Paris*, 1837.

Klipstein (Philipp Engel). Mineralogischer Briefwechsel. 2 vols. 8vo. *Giessen*, 1781–82.

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——. Vorlesungen über Mineralogie. Band I. 4to. *St. Petersburg*, 1865.

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König (Charles). Icones fossilium sectiles. Fol. *London*, 1825.

Königshayn. Beobachtungen über das Gebirge bey Koenigshayn. 4to. *Dresden*, 1780.

Koninck (Laurent Guillaume de). Description des coquilles fossiles de l'argile de Basele, Boom, Schelle, etc. (Tract.) 4to. *Brussels*, 1838.

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——. Nouvelles recherches sur les animaux fossiles du terrain carbonifère de la Belgique. 1re partie. 4to. *Brussels*, 1872.

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——. Poissons et genre Nautile. [Faune du calcaire carbonifère de la Belgique. Part I.] (Ann. Mus. Roy. d'Hist. Nat. Belgique, tom. ii.) Fol. *Brussels*, 1878.

——. See Beneden (P. J. van), Bosquet (J.), Davidson (Thomas), Dumont (A. H.), and Wood (Edward).

—— and **Le Hon** (H.). Recherches sur les crinoïdes du terrain carbonifère de la Belgique. 4to. *Brussels*, 1854.

Kopp, Hermann. See Serials, etc.: Giessen.

Kopp (J. H.). See Leonhard (C. C. von).

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——. See Saxony.

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Kutorga (Stephan). Zweiter Beitrag zur Geognosie und Paläontologie Dorpat's und seiner nächsten Umgebungen. (Tract.) 8vo. *St. Petersburg*, 1837.

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Laming (Richard). On the primary forces of Electricity. (Tract.) 8vo. *London*, 1838.

——. A new view of Electrical Action based upon Inductions, showing that Electricity is the only ponderable element in Nature, etc. (Tract.) 8vo. *London*, 1859.

Lamont (J.). Ueber das magnetische Observatorium der königl. Sternwarte bei München. (Tract.) 2 copies. 4to. *Munich*, 1841.

——. Magnetische Ortsbestimmungen ausgeführt an verschiedenen Puncten des Königreichs Bayern und an einigen auswärtigen Stationen. 2 vols. 8vo. *Munich*, 1854–56.

——. Denkrede auf die Akademiker Dr. Thaddäus Siber und Dr. Georg Simon Ohm. (Tract.) 4to. *Munich*, 1855.

——. Untersuchungen über die Richtung und Stärke des Erdmagnetismus, etc. 4to. *Munich*, 1858.

——. Untersuchungen über die Richtung und Stärke des Erdmagnetismus in Nord-Deutschland, Belgien, Holland, Dänemark in Sommer des Jahres 1858 ausgeführt, etc. (Tract.) 4to. *Munich*, 1859.

Lamouroux (J. V. F.). Histoire des Polypiers coralligènes flexibles, vulgairement nommés zoophytes. 8vo. *Caen*, 1816.

——. Résumé d'un cours élémentaire de géographie physique. 2e édition par J. P. Lamouroux. 2 copies. 8vo. *Paris*, 1829.

Lampadius (W. A.). Handbuch zur chemischen Analyse der Mineralkörper. 8vo. *Freiburg*, 1801.

Lancaster (Albert). Note sur le tremblement de terre ressenti le 22 octobre 1873 dans la Prusse Rhénane et en Belgique. (Tract.) 8vo. *Brussels*, 1873.

Lance (Edward Jarman). The Golden Farmer. (Tract.) 8vo. *London*, 1831.

Lance (Edward Jarman). On the Food of Plants . . . to which is added, an Essay on the drill husbandry of Turnips. (Tract.) 8vo. *London*, 1842.

Landgrebe (G.). Mineralogie der Vulcane. 8vo. *Cassel* and *Leipzig*, 1870.

Landt (G.). A description of the Feroe Islands, containing an account of their situation, climate, and productions, etc. Translated from the Danish. 8vo. *London*, 1810.

Lane (C. B.). Railway Communication in London and the Thames Embankment. (Tract.) 8vo. *London*, 1860.

Lane (Michael). See ADMIRALTY PUBLICATIONS.

Lang (Carl Nicolaus). Historia lapidum figuratorum Helvetiæ ejusque viciniæ, etc. 4to. *Venice*, 1708.

Lang (Fr.) and **Rütimeyer** (L.). Die fossilen Schildkröten von Solothurn. (Tract.) 4to. *Zurich*, 1866.

Lang (H. O.). Erratische Gesteine aus dem Herzogthum Bremen. (Tract.) 8vo. *Göttingen*, 1879.

Lang (Johann J.). See SCHREBER (Johann Christian Daniel).

Lang (O.). Mineralogische notizen von einer Reise in Skandinavien. (Tract.) 8vo. *Stuttgart*, 1879.

Lang (Victor von). Zur dynamischen Theorie der Gase. (Tract.) 8vo. *Vienna*, 1871.

Langberg (Chr.). Om capillaritetens indflydelse paa areometerets angivelser. 4to. *Christiania*, 1858.

Langle (— Fleuriot de). See FLEURIOT DE LANGLE (—).

Lankester (Edwin). See DERHAM (W.), LINK (H. F.), RAY (John).

—— and **Redfern** (Peter). Reports made to the Directors of the London (Watford) Spring Water Company, on the results of microscopical examinations of the organic matters and solid contents of waters supplied from the Thames and other sources, etc. 8vo. *London*, 1852.

Lankester (E. Ray). On new Mammalia from the Red Crag. (Tract.) 8vo. *London*, 1864.

——. See POWRIE (James).

Lansdowne, *Marquess of*. Substance of *his* speech in the House of Lords, July 5, 1839, on the government plan for promoting National Education. 7th edition. See also RUSSELL (*Lord* John). 8vo. *London*, 1839

Lapa (João Ignacio Ferreira). See FERREIRA LAPA (João Ignacio).

Lapeirouse, Picot de (Baron de Bazus). Description de plusieurs nouvelles espèces d'Orthocératites et d'Ostracites. (Tract.) Fol. *Erlangen*, 1781.

Lapidge (S.). A description of strata passed through in sinking an artesian well at the Surrey County Lunatic Asylum, at Springfield, Wandsworth. (Tract.) 8vo. *London*, no date.

Laplace (Pierre-Simon). Exposition du système du Monde. 2 vols. 8vo. *Paris*, 1796.

——. The System of the World. Translated by J. Pond. 2 vols. 8vo. *London*, 1809.

Lapparent (A. de). Conseils à un jeune amateur de géologie. (Tract.) 8vo. *Paris*, 1877.

——. See DELESSE (A.), and SURVEYS, FRANCE.

Lapworth (Charles). Note on the results of some recent Researches among the Graptolitic Black Shales of the South of Scotland. (Tract.) 2 copies. 8vo. *London*, 1872.

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——. Note on the Graptolites discovered by Mr. John Henderson in the Silurian Shales of Habbie's Howe, Pentland Hills. (Tract.) 8vo. *Edinburgh*, 1874.

——. On Scottish Monograptidæ. (Tract.) 8vo. *London*, 1876

—— and **Wilson** (James). On the Silurian Rocks of the counties of Roxburgh and Selkirk. (Tract.) 8vo. *Glasgow*, 1876.

Lardy (Charles). Essai sur la constitution géognostique du St. Gothard. (Tract.) 4to. *Zurich*?, 1829.

Larivière (A. Engelspach). See Engelspach Larivière (A.).

Larkin (N. J.). An Introduction to Solid Geometry and to the Study of Crystallography. 8vo. *London*, 1820.

La Roche (H. von). See Oeynhausen (C. von).

Lartet (Edouard). Discours et notices nécrologiques sur Edouard Lartet. (Tract.) 8vo. *Paris*, 1871.

——. Note sur un grand singe fossile qui se rattache au groupe des singes supérieurs. (Tract.) 4to. *Paris*, 1856.

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——. Sur la dentition des proboscidiens (*Dinotherium*, mastodontes et éléphants), et sur la distribution géographique et stratigraphique de leurs débris en Europe. (Tract.) 4to. *Paris*, 1859.

——. Nouvelles recherches sur la coexistence de l'homme et des grands mammifères fossiles. (Tract.) 8vo. *Paris*, 1861.

——. Sur une ancienne station humaine, avec sépulture contemporaine des grands mammifères fossiles réputés caractéristiques de la dernière période géologique. (Tract.) 8vo. *Paris*, 1861.

——. Sur une portion de crâne fossile d'Ovibos musqué (*O. moschatus*, Blainville), trouvée par M. le Dr. Eug. Robert dans le diluvium de Précy (Oise). (Tract.) 2 copies. 4to. *Paris*, 1864.

——. Lettre . . . relative à une lame d'ivoire fossile trouvée dans un gisement ossifère du Périgord, et portant des incisions qui paraissent constituer la reproduction d'un éléphant à longue crinière. (Tract.) 4to. *Paris*, 1865.

——. Note sur deux nouveaux siréniens fossiles des terrains tertiaires du bassin de la Garonne. (Tract.) 8vo. *Paris*, 1866.

——. Note sur deux têtes de carnassiers fossiles (*Ursus* et *Felis*) etc. (Tract.) 8vo. *Paris*, 1867.

——. De quelques cas de progression organique vérifiables dans la succession des temps géologiques sur des mammifères de même famille et de même genre. (Tract.) 4to. *Paris*, 1868.

——. See Gaudry (A.).

Lartet (Edouard) and **Christy** (H.). Cavernes du Périgord. Objets gravés et sculptés des temps préhistoriques dans l'Europe occidentale. 2 copies. 8vo. *Paris*, 1864.

—— ——. Reliquiæ Aquitanicæ ; being contributions to the Archæology and Palæontology of Périgord and the adjoining provinces of Southern France. Edited by Thomas Rupert Jones. 4to. *London*, 1856–75.

Lartet (Louis). Note sur la découverte de silex taillés en Syrie, etc. (Tract.) 8vo. *Paris*, 1865.

——. Note sur la formation du bassin de la mer Morte ou lac Asphaltite et sur les changements survenus dans le niveau de ce lac. (Tract.) 2 copies. 8vo. *Paris*, 1865.

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——. Essai sur la géologie de la Palestine et des contrées avoisinantes telles que l'Egypte et l'Arabie. 8vo. *Paris*, 1869.

——. Compte rendu de la course du lundi, 13 Septembre, faite par les membres de la Société Géologique à Rouzon, à Ceyssac, à la Denise, à Espaly et à Saint-Marcel. (Tract.) 8vo. *Paris*, 1870.

——. Exploration géologique de la mer Morte, de la Palestine et de l'Idumée. 4to. *Paris*, 1877.

——. See Verneuil (Ed. de).

Lasaulx (Arnold von). Grundzüge einer neuen Systematik der Gesteine. (Tract.) 8vo. *Bonn*, 1872.

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——. See Mallet (Robert).

Lasius (Georg Sigismund Otto). Beobachtungen über die Harzgebirge nebst einem Profilrisse. 8vo. *Hanover*, 1789.

——. Verzeichniss derer im Cabinet der harzischen Gebirgarten befindlichen Sachen, nach der Ordnung der Nummern. (Tract.) 8vo. *Hanover*, 1789.

——. Catalogue of a collection of Fossils from the Hartz Mountains. Translated from the German. 2 copies. 8vo. *Dublin*, 1805.

——. Extracts from Lasius's Observations on the Hartz Mountains. From the German original. 8vo. *Dublin*, 1805.

Latham (Baldwin). Sanitary Engineering. A guide to the construction of Works of Sewerage and House Drainage, etc. 2nd edition. 8vo. *London*, 1878.

Latham (Robert Gordon). See Ansted (David Thomas).

La Tour (*Duc de*). See Vesuvius.

Laube (Gustav C.). Die Fauna der Schichten von St. Cassian. Ein Beitrag zur Paläontologie der alpinen Trias.
4to. *Vienna*, 1865–69.
——. ——. (Tracts.) 8vo. *Vienna*, 1864–68.
——. Die Bivalven des braunen Jura von Balin. Mit Berücksichtigung ihrer geognostischen Verbreitung in Frankreich, England, Schwaben, und in anderen Ländern. (Tract.) 8vo. *Vienna*, 1866.
——. ——. (Tract.) 4to. *Vienna*, 1867.
——. Die Echinodermen des braunen Jura von Balin, etc.
8vo. *Vienna*, 1866.
——. ——. 4to. *Vienna*, 1867.
——. Die Gastropoden des braunen Jura von Balin, etc. (Tract.)
4to. *Vienna*, 1866.
——. Ein Beitrag zur Kenntniss der Echinodermen des vicentinischen Tertiärgebietes. (Tract.) 8vo. *Vienna*, 1867.
——. ——. (Tract.) 4to. *Vienna*, 1868.
——. Ueber *Ammonites Aon*, Münster, und dessen Verwandte. (Tract.)
8vo. *Vienna*, 1869.
——. Die Echinoiden der österreichisch-ungarischen oberen Tertiärablagerungen. (Tract.) 4to. *Vienna*, 1871.
——. Geologische Beobachtungen gesammelt während der Reise auf der "Hansa" und gelegentlich des Aufenthaltes in Süd-Grönland. (Tract.) 8vo. *Vienna*, 1873.
Laugel (A.). Tableau résumé de la classification du terrain jurassique, établie par Albert Oppel. (Tract.) 8vo. *Paris*, 1858.
——. Mémoire sur la géologie du département d'Eure-et-Loire. (Tract.)
8vo. *Paris*, 1860.
——. La faune de Saint-Prest, près Chartres, Eure-et-Loire. (Tract.)
8vo. *Paris*, 1862.
——. See Delesse (A.) and Lyell (*Sir* Charles).
Laugier (André). Expériences propres à confirmer l'opinion émise par les naturalistes sur l'identité d'origine entre le fer de Sibérie et les pierres météoriques ou aérolithes. (Tract.)
4to. *Paris*, 1817.
Laumond (—). Statistique du département du Bas-Rhin.
8vo. *Paris*, 1802.
Laumont (Gillet). Letter on Mineralogy. (Tract.) MS.
Launay (Louis de). Traités sur l'histoire naturelle et la minéralogie.
8vo. *London*, 1780.
——. Essai sur l'histoire naturelle des roches. 8vo. *Brussels*, 1786.
——. Minéralogie des anciens. 2 vols. 8vo. *Brussels*, 1803.
Laurance (John). Geology in 1835; a popular sketch of the progress, leading features, and latest discoveries of this rising science. (Tract.)
8vo. *London*, 1835.
——. Geologie im Jahr 1835. 8vo. *Weimar*, 1836.
Laurence (Philip Henry). See Cotta (Bernhard von).
Laurent (Ch.). Mémoire sur le Sahara oriental au point de vue de l'établissement de puits artésiens dans l'Oued-Souf, l'Oued-R'ir et les Zibans. (Tract.) 8vo. *Paris*, 1857.
Laurillard (C. L.). Eloge de M. le Baron Cuvier. (Tract.)
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Lavis (H. J. Johnston). Notes on the Geology of Lewisham. (Tract.) 8vo. *London*, 1876.

——. On the Triassic Strata which are exposed in the Cliff sections near Sidmouth, and a note on the occurrence of an ossiferous zone containing bones of a Labyrinthodon. (Tract.) 8vo. *London*, 1876.

See also SEELEY (H. G.).

Lavizzari (Louis). Nouveaux phénomènes des corps cristallisés. (Tract.) Fol. *Lugano*, 1865.

Lavoisier (A. L.). See GUYTON DE MORVEAU (L. B.).

Lawley (Robert). Pesci ed altri vertebrati fossili del plioceno toscano. (Tract.) 8vo. *Pisa*, 1875.

Lawrence (William). Introduction to Comparative Anatomy and Physiology. (Tract.) 8vo. *London*, 1823.

Lawson (George). Papers read to the Botanical Society of Edinburgh. (Tracts.) 8vo. *Edinburgh*, 1858.

Lazari (Vincenzo). See POLO (Marco).

Lea (Henry C.). Description of some new Fossil Shells from the Tertiary of Petersburg, Va. (Tract.) 4to. *Philadelphia*, 1843.

——. ——. Abstract. (Tract.) 8vo. *Philadelphia*, 1843.

——. Descriptions of some new species of Marine Shells, inhabiting the coast of the United States. (Tract.) 8vo. *Philadelphia*, 1845.

——. Catalogue of the Tertiary Testacea of the United States. (Tract.) 8vo. *Philadelphia*, 1848.

——. See LEA (Isaac).

Lea (Isaac). Observations on the genus *Unio*. Vols. I.–XIII. and Index. 4to. *Philadelphia*, 1832–74.

——. Contributions to Geology. (Tract.) 8vo. *Philadelphia*, 1833.

——. Characters of three new species of Indian Freshwater Bivalves, with notes by W. H. Benson. (Tract.) 8vo. *Calcutta*, 1835.

——. A Synopsis of the family of Naïades. (Tract.) 8vo. *Philadelphia* and *London*, 1836.

——. A Synopsis of the family of Naïades. 3rd edition. 4to. *Philadelphia*, 1852.

——. Descriptions of new Freshwater and Land Shells. (Tract.) 8vo. *Philadelphia*, 1840.

——. Description of nineteen new species of Colimacea. (Tract.) 4to. *Philadelphia*, 1840.

——. Notice of the Oolite Formation in America, with descriptions of some of its Organic Remains. (Tract.) 4to. *Philadelphia*, 1840.

——. On the genus *Acostæa* of D'Orbigny, a Freshwater Lamellibranchia. (Tract.) 4to. *Philadelphia*, 1851.

——. On a fossil Saurian of the New Red Sandstone formation of Pennsylvania, with some account of that formation. Also on some new Fossil Molluscs, in the Carboniferous Slates of the Anthracite seams of the Wilkesbarre Coal formation. (Tract.) 2 copies. 4to. *Philadelphia*, 1852.

——. On the Fossil Foot-marks in the Red Sandstone of Pottsville, Pennsylvania. (Tract.) 4to. *Philadelphia*, 1852.

——. Rectification of Mr. T. A. Conrad's "Synopsis of the Family of Naïades of North America." (Tract.) 2 copies. 8vo. *Philadelphia*, 1854.

Lea (Isaac). [On the great size and weight to which some of the Naïades attain in the waters of the Valley of the Ohio.] (Tract.) 8vo. *Philadelphia*?, 1854.

——. [On the soft parts of the American Fresh-water Molluscs.] (Tract.) 8vo. *Philadelphia*?, 1854.

——. Description of a new Mollusk from the Red Sandstone near Pottsville, Pa. (Tract.) 8vo. *Philadelphia*, 1855.

——. Fossil Footmarks in the Red Sandstone of Pottsville, Pennsylvania. Fol. *Philadelphia*, 1855.

——. Extracts of papers from the Proceedings of the Academy of Natural Sciences of Philadelphia. (Tracts.) 8vo. *Philadelphia*, 1856.

——. Description of four new Freshwater Mollusks from the Isthmus of Darien and Honduras. (Tract.) 8vo. *Philadelphia*, 1858.

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——. Remarks on the Unionidæ of Nebraska Territory and Red River of the North. (Tract.) 8vo. *Philadelphia*, 1858.

——. (Check-list of the Shells of North America.) Unionidæ. (Tract.) 8vo. *Washington*, 1860.

——. Descriptions of eight new species of Unionidæ from Georgia, Mississippi, and Texas; of twenty-one new species of Exotic Unionidæ; and of two new species of *Uniones* from Georgia; Remarks on the death of Alexander von Humboldt; Descriptions of twelve new species of *Uniones* from Georgia, and other papers on Unionidæ, etc. (Tract.) 8vo. *Philadelphia*, 1860.

——. Publications on recent Conchology, extracted from a list of American Writers on recent Conchology, by George W. Tryon, Jun. (Tract.) 8vo. *Philadelphia*, 1861.

——. Check-list of the Shells of North America. Unionidæ. (Tract.) 8vo. *Washington*, 1862.

——. Conchological Papers:—Remarks on the number of Unionidæ; Descriptions of fifteen new species of Uruguayan Unionidæ; Descriptions of four new species of Unionidæ from Brazil and Buenos Ayres; Remarks on the color of the Unionidæ; Descriptions of four new species of *Melaniæ* of the United States; Descriptions of

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Lea (Isaac). Description of a new genus (*Tryganostoma*) of the Family Melanidæ, and of forty-five new species. (Tract.) 8vo. *Philadelphia*, 1862.

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——. Conchological Papers, viz.:—On *Leaia Leidyi* = *Cypricardia Leidyi*; Descriptions of fourteen new species of Melanidæ; Descriptions of eleven new species of Exotic Unionidæ; Descriptions of twenty-four new species of Unionidæ; Descriptions of a new species of *Unio* and a *Monocondylæa*; Description of a new genus of the family Melanidæ; Descriptions of eleven new species of Melanidæ; Description of and remarks on *Planorbis Newberryi*; Descriptions of six new species of Unionidæ from Lake Nyassa; Descriptions of six new species of *Succinea*, etc.; Descriptions of thirteen new species of Melanidæ; Description of a new species of *Planorbis*; Descriptions of five new species of *Lymnea*; Descriptions of two new species of Unionidæ from South Africa; Descriptions of twenty-four new species of *Physa*; Descriptions of six new species of Western Asiatic Unionidæ; Descriptions of three new species of Exotic *Uniones*; and descriptions of eight new species of *Unio*. (Tract.) 8vo. *Philadelphia*, 1866.

——. Tables of the Rectification of Mr. T. A. Conrad's "Synopsis of the family of Naïades of North America." (Tract.) 8vo. *Philadelphia*, 1866.

——. Conchological and Mineralogical Papers, viz.:—Descriptions of twelve new species of Unionidæ from South America; Notes on some members of the Feldspar family; Descriptions of two new species of the genus *Lithasia*; Descriptions of five new species of the genus *Unio*: On two new Minerals from Chester Co., Penn.; Descriptions of five new species of Unionidæ and one *Paludina* of the United States; Descriptions of nine species of Unionidæ from Lake Nicaragua, Central America; Descriptions of sixteen new species of the genus *Unio* of the United States; Notes on some sin-

gular forms of Chinese species of *Unio*; Descriptions of four new species of Exotic Unionidæ; Descriptions of twenty-six new species of Melanidæ of the United States; Descriptions of seven new species of *Unio* from North Carolina; Descriptions of two new species of Unionidæ from Equador; and descriptions of Unionidæ from the Lower Cretaceous formation of New Jersey. (Tract.)
8vo. *Philadelphia*, 1868

Lea (Isaac). Notes on Microscopic Crystals included in some Minerals. (Tract.) 8vo. *Philadelphia*, 1869.

——. Notes on Microscopic Crystals in some of the Gems, etc. (Tract.)
8vo. *Philadelphia*, 1869.

——. A Synopsis of the Family Unionidæ. 4th edition.
4to. *Philadelphia*, 1870.

——. Conchological and Mineralogical Papers, viz.:—Notes on Microscopic Crystals included in some Minerals; Further notes on Microscopic Crystals in some of the Gems, etc.; Descriptions of six new species of Freshwater Shells; Descriptions of three new species of Exotic Unionidæ; Descriptions of twenty new species of *Uniones* of the United States; Descriptions of twenty-nine species of Unionidæ of the United States; Descriptions of seven new species of Unionidæ of the United States; Descriptions of three new species of *Uniones* of the United States. [1869–1873.] (Tract.)
8vo. *Philadelphia*, 1874.

——. A Catalogue of *his* published works from 1817 to 1876. (Tract.)
8vo. *Philadelphia*, 1876.

——. Further notes on "Inclusions" in Gems, etc. (Tract.)
8vo. *Philadelphia*, 1876.

——. See Foulke (William Parker).

—— and **Lea** (Henry C.). Description of a new genus of the family Melaniana, and of many new species of the genus *Melania*, etc.; also Descriptions of five new species of *Anodontæ*, collected in the East Indies. (Tract.) 8vo. *London*, 1851.

Lea (Thomas G.). Catalogue of Plants, native and naturalized, collected in the vicinity of Cincinnati, Ohio, during the years 1834–1844. (Tract.) 8vo. *Philadelphia*, 1849.

Leader (J. D.). See British Association. Sheffield Guide-Book.

Lebesconte (Paul). See Tromelin (Gaston le Goarant de).

Leblanc (Félix). See Sainte-Claire Deville (Charles).

Lebossu (—). Manuel du toiseur en bâtimens. 1^e^ partie. Terrasse et maçonnerie. 12mo. *Paris*, 1832.

Leboucher (—). Rapport sur un météore qui a ravagé les communes de Douvres et de Luc, près Caen, au mois de Septembre, 1849. (Tract.) 4to. *Caen*, 1849.

Lebour (G. A.). Notes on Staurolite, in connexion with Metamorphism. (Tract.) 8vo. *London*, 1873.

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—— and **Horn** (George H.). The Rhynchophora of America north of Mexico. 8vo. *Philadelphia*, 1876.

Lecoq (Henri). Note sur les petits lacs des terrains basaltiques de l'Auvergne. (Tract.) 8vo. *Clermont-Ferrand*, 1838.

——. Réclamation addressée, à l'occasion de communications faites à l'Académie, par M. C. Prévost et M. E. Collomb, concernant l'époque à laquelle les glaciers ont commencé à jouer un rôle dans les formations géologiques; Réponse de M. Constant Prévost, et Note additionelle par M. Constant Prévost. (Tract.) 4to. *Paris*, 1851.

——. Sur la géologie du plateau centrale de la France et sur la grande carte géologique du département du Puy-de-Dôme. (Tract.)
8vo. *Clermont-Ferrand*, 1863.

——. Les époques géologiques de l'Auvergne. 5 vols. 8vo. *Paris*, 1867.

——. L'eau sur le plateau central de la France.
8vo. *Paris*, *London*, *New York*, and *Madrid*, 1871.

—— and **Bouillet** (J. B.). Vues et coupes des principales formations géologiques du département du Puy-de-Dôme. 8vo. *Paris*, 1830.

Lecousturier (A. F.). Dictionnaire des postes aux lettres. 4 vols.
8vo. *Paris*, 1817.

Le Docte (Henri). Exposé général de l'agriculture luxembourgeoise.
8vo. *Brussels*, 1849.

——. Mémoire sur la chimie et la physiologie végétales et sur l'agriculture. 8vo. *Brussels*, 1849.

Le Duc (E. Viollet). See Viollet le Duc (E.).

Leducq (—). Du développement de la production du fer dans le nord-ouest de la France, etc. (Tract.) 8vo. No date.

Lee (John Edward). Rough catalogue of a geological collection at Villa Syracusa, Torquay. 8vo. *Torquay*, 1880.

——. See Keller (Ferdinand).

Lee (William). Catalogue of *his* valuable Collection of Fossil and Organic Remains . . . from the Mountain Limestone of the County of Derby. (Tract.) 8vo. *London*, 1859.

Lee (Samuel). See Ibn Batūta.

Leeds Water Supply. See Dresser (C. L.).

Lees (F. Arnold). See DAVIS (James W.).

Leeuwenhoek (Anton van). Epistolæ physiologicæ super compluribus naturæ arcanis. 4to. *Delft*, 1719.

Lefebvre (—). Considérations relatives à la législation et à l'administration des mines. (Tract.) 8vo. *Paris*, 1802.

Lefebvre (—). Note sur les courants de l'océan Atlantique entre l'équateur et le 10e degré de latitude N. (Tract.) 8vo. *Paris*, 1857.

èvre (Théodore). Une anomalie observée chez le *Pecten corneus*, Sow. (Tract.) 8vo. *Brussels*, 1873.

——. Note sur la présence de l'Ergeron fossilifère dans les environs de Bruxelles. (Tract.) 8vo. *Brussels*, 1875.

——. Note sur le gisement des fruits et des bois fossiles recueillis dans les environs de Bruxelles. (Tract.) 8vo. *Liége*, 1875.

——. Rapport sur la description de la *Rostellaria robusta* de M. Rutot. (Tract.) 8vo. *Brussels*, 187[illegible].

——. Sur la disposition d'un travail préparatoire à la rédaction des listes paléontologiques. (Tract.) 8vo. *Brussels*, 1876.

——. Excursions malacologiques à Valenciennes, Soissons et Paris, Septembre 1876. (Tract.) 8vo. *Brussels*, 1877.

——. Rapport sur le travail de M. Vincent, intitulé Description de la faune de l'étage Landenien inférieur de la Belgique. (Tract.) 8vo. *Brussels*, 1877.

——. Description de l'Ovule des environs de Bruxelles, *Ovula* (*Strombus*) *gigantea*, Münst., sp. [Recherches paléontologiques. Les grandes Ovules des terrains éocènes.] 4to. *Brussels*, 1878.

——. Note succincte sur les *Rostellaria ampla* de l'éocène et de l'oligocène. (Tract.) 8vo. *Brussels*, 1878.

——. See DAVIDSON (Thomas).

—— and **Vincent** (G.). Note sur la faune Laekenienne supérieure des environs de Bruxelles. (Tract.) 8vo. *Brussels*, 1872

—— and **Watelin** (A.). Description de deux Solens nouveaux. Addition à la faune tertiaire du bassin de Paris. 4to. *Brussels*, 1877.

Léger (—). Notes sur les chaux hydrauliques du Bas-Rhin. (Tract.) 4to. *Strasburg*, 1830.

Le Goarant de Tromelin (Gaston). See TROMELIN (Gaston le Goarant de).

Legrand (—). Voyage fait en 1787 et 1788, dans la ci-devant Haute et Basse Auvergne, aujourd'hui départemens du Mont-d'Or, du Cantal et partie de celui de la Haute-Loire. 3 vols. 8vo. *Paris*, 1794–95.

Legrand (—). La nouvelle société Indo-chinoise fondée par M. le Marquis de Croizier et son ouvrage l'art Khmer. (Tract.) 8vo. *Paris*, 1878.

Lehaie (A. Houzeau de). See HOUZEAU DE LEHAIE (A.).

Lehigh Coal Company. Report of the Board of Managers of the Lehigh Coal and Navigation Co. 8vo. *Philadelphia*, 1869.

Lehmann (J.). See SURVEYS: SAXONY.

Lehmann (Johann Christian von). Der Basalt, chemisch und physisch beurtheilt. (Tract.) 8vo. *Frankfort*, 1789.

Lehmann (Johann Georg). Anweisung zum richtigen Erkennen und genauen Abbilden der Erd-Oberfläche, in topographischen Karten und Situations-Planen. 4to. *Dresden*, 1812.

Lehmann (Johann Gottlob). Abhandlung von den Metall-Müttern und der Erzeugung der Metalle. 8vo. *Berlin*, 1753.

——. Versuch einer Geschichte von Flötz-Gebürgen, betreffend deren Entstehung, Lage, darinne befindliche Metallen, Mineralien und Fossilien. 8vo. *Berlin*, 1756.

——. L'art des mines, ou Introduction aux connoissances nécessaires pour l'exploitation des mines métalliques. 3 vols. 8vo. *Paris*, 1759.

——. Cadmiologia, oder Geschichte des Farben-Kobolds, nach seinen Nahmen, Arten, Lagerstädten, etc. 4to. *Konigsberg*, 1761.

——. Physikalisch-chymische Schriften, als eine Fortsetzung der Probier-Kunst. 8vo. *Berlin*, 1761.

——. ——. 2te Auflage. 8vo. *Berlin*, 1775.

——. Entwurf einer Mineralogie zum Dienst der Studierenden. 3te Auflage. 8vo. *Frankfort* and *Leipzig*, 1769.

Le Hon (H.). Périodicité des grands déluges resultant du mouvement graduel de la ligne des apsides de la terre. (Tract.) 8vo. *Brussels*, *Leipzig*, and *Paris*, 1858.

——. Histoire complète de la grand eruption du Vésuve de 1631. 8vo. *Brussels*, 1865.

——. See Koninck (L. de).

Leibnitz (Gottfried Wilhelm von). Summa Polyhistoris Protogaea, . . . in lucem edita a Christian Ludowic Schiedius. 4to. *Göttingen*, 1749.

Leichhardt (Ludwig). Notes on the Geology of parts of New South Wales and Queensland, made in 1842–43, edited by W. B. Clarke. (Tract.) 8vo. *Sydney*, 1866.

Leidy (Joseph). On a new genus and species of fossil Ruminantia: *Poebrotherium Wilsoni*. (Tract.) 8vo. *Philadelphia*, 1847.

——. On a new fossil genus and species of Ruminantoid Pachydermata: *Merycoidodon Culbertsonii*. (Tract.) 8vo. *Philadelphia*, 1848.

——. On *Bathygnathus borealis*, an extinct Saurian of the New Red Sandstone of Prince Edward's Island. (Tract.) 2 copies. 4to. *Philadelphia*, 1850–54.

——. (On Mammalian and Chelonian Fossils from the Mauvaises Terres of Nebraska.) (Tract.) 8vo. *Washington*?, 1852.

——. (On the remains of Extinct Cetacea from the Greensand of New Jersey.) (Tract.) 8vo. *Philadelphia*?, 1852–53.

——. The Ancient Fauna of Nebraska. (Tract.) 4to. *Washington*, 1853.

——. A Memoir on the extinct Sloth Tribe of North America. (Tract.) 4to. *Washington*, 1855.

——. Descriptions of some Remains of Fishes from the Carboniferous and Devonian Formations of the United States, (and) Descriptions of some Extinct Mammalia. (Tract.) 4to. *Philadelphia*, 1856.

——. Notice of the Remains of the Walrus discovered on the coast of the United States; Description of remains of Fishes from the Carboniferous Limestone of Illinois and Missouri; Remarks on *Saurocephalus* and its Allies; Observations on the Extinct Peccary of North America; (and) Remarks on the Structure of the Feet of *Megalonyx*. (Tract.) 4to. *Philadelphia*, 1857.

——. Extinct Vertebrata from the Judith River and Great Lignite Formations of Nebraska. (Tract.) 2 copies. 4to. *Philadelphia*, 1859.

See also Hayden (F. V.).

Leidy (Joseph). Cretaceous Reptiles of the United States. 4to. *Philadelphia*, 1865.

——. Description of Vertebrate Remains, chiefly from the Phosphate Beds of South Carolina. (Tract.) 4to. *Philadelphia*, 1877.

——. See FOULKE (William Parker); HOLMES (Francis S.); and SURVEYS, UNITED STATES.

Leifchild (J. R.). Cornwall: its Mines and Miners. 8vo. *London*, 1855.

Leigh (Charles). The Natural History of Lancashire, Cheshire, and the Peak, in Derbyshire. 8vo. *Oxford* and *London*, 1700.

Leighton (W. A.). The British species of Angiocarpous Lichens, elucidated by their Sporidia. [Ray Society.] 8vo. *London*, 1851.

Leith (John). The Seat of Power. (Tract.) 8vo. *Christchurch*, 1875.

eithart (John). Practical observations on the mechanical structure, mode of formation, the repletion or filling up, and the intersection and relative age of mineral veins, etc. (Tract.) 8vo. *London*, 1838.

Leitner (W. G.). Results of Tour [1865–1866] in "Dardistan, Kashmir, Little Tibet, Ladak, Zanskar," &c. Vol. I. parts 1 & 2. The Languages and Races of Dardistan. 4to. *Lahore* and *London*, 1869.

Léman (S.). Considérations sur les pierres, les masses de fer et les poussières, dites météoriques. (Tract.) 8vo. *Paris*, 1818.

——. See DUFRESNE (L.).

Lemberg (Johann). Chemische Untersuchung eines unterdevonischen Profils an der Bergstrasse in Dorpat. (Tract.) 8vo. *Dorpat*, 1866.

——. Die Gebirgsarten der Insel Hochland, chemisch-geognostisch untersucht. (Tract.) 8vo. *Dorpat*, 1868.

——. Die Gebirgsarten der Insel Hochland, chemisch-geognostisch untersucht. (Tract.) 8vo. *Dorpat*, 1877.

——. Ueber Silicatumwandlungen. (Tract.) 8vo. *Dorpat*, 1877.

Lenhossék (Józef). Polymikroskop. (Tract.) 4to. *Pesth*, 1877.

Lennier (G.). Etudes géologiques et paléontologiques sur l'embouchure de la Seine et les falaises de la Haute-Normandie. 4to. *Havre*, no date.

Lennox (Arthur). See SAWKINS (James Gay).

Le Normand (L. Seb.). Manuel du relieur dans toutes ses parties. 12mo. *Paris*, 1827.

Lentilhac (E. de) and **Guilbert** (L.). Rapport sur la Double. (Tract.) 8vo. *Périgueux*, 1863.

Lenz (Oskar). Ueber das Auftreten jurassischer Gebilde in Böhmen. (Tract.) 8vo. *Halle*, 1870.

——. Beiträge zur Geologie der Fruska Gora in Syrmien. (Tract.) 8vo. *Vienna*, 1873.

——. Geological Notes on Western Africa. (Tract.) 2 copies. 8vo. *London*, 1879.

Leonardus (Camillus). The Mirror of Stones. 8vo. *London*, 1750.

Leone (Andrea de). Giornale, e notizie de' tremuoti accaduti l'anno 1783 nella provincia di Catanzaro. 8vo. *Naples*, 1783.

Leonhard (Gustav). Beiträge zur Geologie der Gegend um Heidelberg. (Tract.) 8vo. *Heidelberg*, 1844.

——. Die Quarzführenden Porphyre, nach ihrem Wesen, ihrer Verbreitung, ihrem Verhalten zu abnormen und normalen Gesteinen, so wie zu Erzgängen. 2 copies. 8vo. *Stuttgart*, 1851.

Leonhard (Gustav). Beiträge zur mineralogischen und geognostischen Kenntniss des Grossherzogthums Baden. 8vo. *Stuttgart*, 1854.

——. Grundzüge der Geognosie und Geologie. 8vo. *Leipzig* and *Heidelberg*, 1874.

——. See Delesse (A.), Ezquerra del Bayo (Joaquin), and Murchison (*Sir* Roderick Impey).

Leonhard (Karl Cäsar von). Handbuch einer allgemeinen topographischen Mineralogie. 3 vols. 8vo. *Frankfort*, 1805–09.

——. Bedeutung und Stand der Mineralogie. 4to. *Frankfort*, 1816.

——. Zu Werners Andenken. (Tract.) 8vo. *Frankfort*, 1817.

——. Phonolith-Berge der Rhön. (Tract.) 8vo. *Frankfort*, 1827.

——. Agenda geognostica. Hülfsbuch für reisende Gebirgsforscher und Leitfaden zu Vorträgen über angewandte Geognosie. 12mo. *Heidelberg*, 1829.

——. Die Basaltgebilde in ihren Beziehungen zu normalen und abnormen Felsmassen. 2 vols. 8vo; Atlas, 4to. *Stuttgart*, 1832.

——. Lehrbuch der Geognosie und Geologie. 8vo; Plates, 4to. *Stuttgart*, 1835.

——. Hütten-Erzeugnisse als Stützpuncte geologischer Hypothesen. (Tract.) 8vo. *Stuttgart*, 1852.

——. Künstlicher Glimmer. Ein Bruchstück aus: Hütten-Erzeugnisse als Stützpunkte geologischer Hypothesen. (Tract.) 8vo. *Stuttgart*?, 1854.

——. See Boué (Ami).

—— and **Gmelin** (L.). Nephelin in Dolerit am Kazzenbukkel. (Tract.) 2 copies. 8vo. *Heidelberg*, 1822.

——, **Kopp** (J. H.), and **Gärtner** (C. L.). Einleitung und Vorbereitung zur Mineralogie. I. Theil. Systematisch-tabellarischen Uebersicht und Charakteristik der Mineralkörper. Fol. *Frankfurt*, 1817.

—— and **Selb** (C. J.). Mineralogische Studien. 1er Theil. 8vo. *Nuremberg*, 1812.

—— and **Vogel** (H. A). Mineralogisch-chemische Untersuchungen des Triphan's und Tantalits. (Tract.) 3 copies. 8vo. *Munich*, 1818.

Lepsius (Richard). Beiträge zur Kenntniss der Juraformation im Unter-Elsass. 8vo. *Leipzig*, 1875.

——. Das westliche Süd-Tirol. 4to. *Berlin*, 1878.

Le Puillon de Boblaye (Emile). Biographical Notices. See Rozet (C. A.) and Virlet-d'Aoust (T.).

——. Mémoire sur la formation jurassique dans le nord de la France. (Tract.) 8vo. *Paris*, 1829.

——. Recherches sur les roches désignées par les anciens sous les noms de Marbre Lacédémonien et d'Ophites. 4to. *Paris*, 1833

——. See Serials, etc.: Paris. Société Géologique de France.

—— and **Virlet** (Théodore). Expedition scientifique de Morée. Tome ii. 2e partie. Géologie et Minéralogie. 4to. *Paris*, 1833.

Le Saulnier de Vauhello (—). Mémoire sur les attérages des côtes occidentales de France, etc. 4to. *Paris*, 1833.

Leschevin (Ph. X.). Notice sur l'ouvrage singulier intitulé: Lithographia Wirceburgensis, et sur la mystification qui y a donné lieu. 8vo. *Paris*, 1808.

*** See Beringer (Johann Barthol. Adam). Lithographia Wirceburgensis, etc.

Leske (Nathanael Gottfried). Reise durch Sachsen. 4to. *Leipzig*, 1785.
——. See KLEIN (Jacob Theodor).
Leskean Museum. See KARSTEN (Dietrich Ludwig Gustav).
Lesley (J. P.). Section of Coal-measures on the Cape-Breton Coast. (Tract.) 8vo. *Philadelphia*?, 1862.
——. Mont Alto Lignite and Appalachian Erosion. (Tract.) 8vo. *Philadelphia*, 1864.
——. Petroleum. Geological Report on Lands on Paint Lick Fork of Sandy River, in Eastern Kentucky. (Tract.) 8vo. *Philadelphia*, 1865.
Lesquereux (Leo). An Enumeration with descriptions of some Tertiary fossil plants, from specimens procured in the explorations of Dr. F. V. Hayden in 1870. (Tract.) 8vo. *Washington*, 1872.
——. Report on the Cretaceous and Tertiary Floras of the Western Territories. (Tract.) 8vo. *Washington*, 1874.
——. A Review of the Fossil Flora of North America. (Tract.) 8vo. *Washington*, 1875.
——. I. On some new Species of Fossil Plants of the Lignitic Formations.—II. New Species of Fossil Plants from the Cretaceous Formation of the Dakota Group. (Tract.) 8vo. *Washington*, 1876.
See also HAYDEN (F. V.); and SURVEYS, UNITED STATES.
Lesseps (Ferdinand de). Percement de l'isthme de Suez. Atlas des cartes, plans, sondages, profils, et forages. (Troisième Série des Documents.) 4to. *Paris*, 1856.
Lesson (Réné-Primeverre). Manuel de Mammalogie, ou Histoire naturelle des Mammifères. 12mo. *Paris*, 1827.
——. Manuel d'Ornithologie, ou Description des genres et des principales espèces d'oiseaux. 2 vols. 12mo. *Paris*, 1828.
Lessona (M.) and **Gastaldi** (B.). I terreni terziarii del Piemonte e della Liguria. Relazione intorno ad una memoria del Prof. Bellardi avente per titolo I Molluschi dei terreni terziarii del Piemonte e della Liguria. Parte 2a. (Tract.) 8vo. *Turin*, 1874.
Lesueur (Charles Alexandre). Description of two new species of *Exocetus*. (Tract.) 8vo. *Philadelphia*, 1821.
——. (Descriptions of the new Genus *Mollienisia*, and of *Pœcilia multilineata*, *Lebia ellipsoidea*, and *Mollienisia latipinna*.) (Tract.) 8vo. *Philadelphia*, 1821.
Le Touzé de Longuemar (A.). See LONGUEMAR (A. le Touzé de).
Lettsom (William G.). See GREG (Robert Phillips).
Leuze (M. de). See HALLER (M. de).
Levchine (Alexis de). Description des hordes et des steppes des Kirghiz-Kasaks. Traduite du russe par Ferry de Pigny; révue et publiée par E. Charrière. 8vo. *Paris*, 1840.
Levi (Leone). Knowledge, a Condition of Success. (Tract.) 8vo. *London*, 1870.
Lewis (James). Suggestions to Collectors [especially . . . of the Land and Freshwater Shells of the United States]. (Tract.) 8vo. *Mohawk, N.Y.*
Lewis (J. W.). See REPORTS, COLONIAL, ETC. South Australia.
Lewy (Bernhard Karl). Note sur la cire des Abeilles. (Tract.) 8vo. *Paris*, 1843.

Lewy (Bernhard Karl). Note sur la composition de la paraffine. (Tract.) 8vo. *Paris*, 1843.

——. Recherches sur la composition de l'air atmosphérique. (Tract.) 8vo. *Paris*, 1843.

Leymerie (Alexandre). Mémoire sur la partie inférieure du système secondaire du département du Rhône. (Avec rapport sur le même par M. Elie de Beaumont, etc.) (Tract.) 4to. *Paris*, 1838.

——. Notice familière sur la géologie du Mont-d'Or Lyonnais. (Tract.) 8vo. *Lyons*, 1838.

——. Mémoire sur le terrain crétacé du département de l'Aube. 4to. *Paris*, 1842.

——. Mémoire sur le terrain à Nummulites (Epicrétacé) des Corbières et de la Montagne Noire. (Tract.) 4to. *Paris*, 1846.

——. Statistique géologique et minéralogique du département de l'Aube. 8vo; Atlas, 4to. *Troyes*, *Paris*, and *London*, 1846.

——. Mémoire sur un nouveau type Pyrénéen parallèle à la craie proprement dite. (Tract.) 4to. *Paris*, 1849.

——. Essai d'une méthode éclectique ou Wernérienne de Minéralogie. (Tract.) 8vo. *Paris*, 1853.

——. Catalogue des travaux géologiques et minéralogiques publiés jusqu'en 1870. (Tract.) 8vo. *Paris* and *Toulouse*, 1869.

——. Éléments de Géologie. 3e édition. 8vo. *Paris*, 1878.

——. Éléments de Minéralogie et de Lithologie. 8vo. *Paris*, 1878.

——. Mémoire sur le type Garumnien, comprenant une description de la montagne d'Ausseing, un aperçu des principaux gîtes du département de la Haute-Garonne, et une notice sur la faune d'Anzas, suivi d'une description des oursins de la colonie. (Tract.) 8vo. *Paris*, 1878.

——. See Joly (N.).

—— and **Cotteau** (Gustave). Catalogue des Echinides fossiles des Pyrénées. (Tract.) 8vo. *Paris*, 1856.

L'Herminier (Felix). Notes sur la soufrière Guadeloupe. (Tract.) MS. 1811?

——. Histoire naturelle, Géologie. Essai géologique sur l'état primitif des Antilles. MS.

Lhotsky (John). A Journey from Sydney to the Australian Alps, undertaken in 1834. (Tract.) 8vo. *Sydney*, 1835.

——. Sketches of Tasman's Peninsula. (Tract.) 8vo. *Hobart Town*, 1837.

Liais (Emmanuel). Climats, géologie, faune et géographie botanique du Brésil. 8vo. *Paris*, 1872.

Liancourt (C. A. de G.). An Appeal against the present mode of teaching French, etc. (Tract.) 8vo. *London*, no date.

Libraries, Catalogues of.

American Philosophical Society. Catalogue of the Library. 8vo. *Philadelphia*, 1824.

——. ——. Parts I.–III. 8vo. *Philadelphia*, 1863–78.

Austrian Geological Survey (Reichsanstalt). Katalog der Bibliothek des k.-k. Hof-Mineralien-Cabinets in Wien, zusammengestellt von Paul Partsch. 4to. *Vienna*, 1851.

Berlin. Königliche preussische geologische Landesanstalt und Bergakademie. Katalog der Bibliothek, mit Nachtrag 1875–79. 8vo. *Berlin*, 1876, 1880.

Libraries, Catalogues of.

Brussels. Académie Royale des Sciences. Catalogue des livres de la Bibliothèque. (Tract.) 8vo. *Brussels*, 1850.

——. Bibliothèque de M. le baron de Stassart, léguée à l'Académie Royale de Belgique. 8vo. *Brussels*, 1863.

Calcutta Public Library. Catalogue. (Tract.) 8vo. *Calcutta*, 1846.

Geographical Society (Royal). Catalogue of the Library, corrected to May 1851. (Tract.) 8vo. *London*, 1852.

——. Classified Catalogue of the Library to December 1870. 8vo. *London*, 1871.

Geologists' Association. Catalogue of the Library. 8vo. *London*, 1879.

Haarlem. Hollandsche Maatschappij der Wetenschappen. Listes des Publications des Sociétiés savantes et des Gouvernements, ainsi que des journaux scientifiques qui se trouvent dans la Bibliothèque de la Société. 8vo. *Haarlem*, 1869.

Institute of Actuaries of Great Britain and Ireland. Catalogue of the Library corrected to July 1852. (Tract.) 8vo. *London*, 1852.

——. Constitution and Laws, List of Members, and Catalogue of Books 1851–55 and 1860. 8vo. *London*, 1851–60.

Institution of Civil Engineers. Library Catalogue, and Regulations of the Telford Premiums. (Tract.) 8vo. *London*, 1857.

Isle of Wight Institution. Catalogue of the Books . . . and of the Museum. (Tract.) 8vo. *Newport*, 1848.

London Institution. Catalogue of the Library. 8vo. *London*, 1813.

——. Catalogue of the Library, systematically classed. 4 vols. 8vo. *London*, 1835–52.

London Library. Catalogue. (Tract.) 8vo. *London*, 1842.

——. Catalogue. 2nd edition, by J. G. Cochrane. 2 vols. 8vo. *London*, 1847–52.

Manchester Free Library. Catalogue of the Books. 8vo. *London*, 1864.

Manchester Geological Society. Catalogue of the Library. (Tract.) 8vo. *Manchester*, 1875.

Manchester Literary and Philosophical Society. Catalogue of Books in the Library. (Tract.) 8vo. *Manchester*, 1875.

Manchester Mechanics' Institution. Catalogue of the Library &c. 8vo. *Manchester*, 1854.

Melbourne. Catalogue of the Melbourne Public Library for 1861. 8vo. *Melbourne*, 1861.

Museum of Practical Geology and Geological Survey. Catalogue of the Library, compiled by H. White and T. W. Newton. 8vo. *London*, 1878.

Newcastle Literary and Philosophical Society. Arranged Catalogue of the Library &c. (Tract.) 8vo. *Newcastle*, 1811.

——. Catalogue of the Library &c. 8vo. *Newcastle*, 1848.

New York State Library. Catalogue. 2 vols. 8vo. *Albany*, 1856.

——. Catalogue 1872. Subject Index of the general Library. 8vo. *Albany*, 1872.

Libraries, Catalogues of.

Royal Asiatic Society. Catalogue of the Chinese Library. By Rev. S. Kidd. (Tract.) 8vo. *London*, 1838.

——. Catalogue of the Historical Manuscripts in the Arabic and Persian languages preserved in the Library. By William H. Morley. (Tract.) 8vo. *London*, 1854.

Royal College of Surgeons. Catalogue of the Library. 8vo. *London*, 1831.

——. Index. 8vo. *London*, 1832.

Royal Institution. Catalogue of the Library. By William Harris. 8vo. *London*, 1809.

——. Catalogue (New Classified) of the Library. By Benjamin Vincent. 8vo. *London*, 1857.

——. Additions to the Library, Nos. 6, 8–10, 15, and 17–20. (Tracts.) 8vo. *London*, 1863–77.

Royal Society. Catalogue of the Library. 4to. *London*, 1825.

——. Catalogue of the Scientific Books in the Library. 8vo. *London*, 1839.

United-Service Museum. Catalogue of the Library. (Tract.) 8vo. *London*, 1836.

University College, London. Catalogue of Books in the General Library and in the South Library. With an Appendix. 3 vols. 8vo. *London*, 1879–80.

Vienna. Katalog der Bibliothek des k.-k. Hofmineralien-Kabinets in Wien. 2nd edition. By Dr. Albrecht Schrauf. 8vo. *Vienna*, 1864.

Zoological Society. Catalogue of the Library. 8vo. *London*, 1872.

See Admiralty Publications and Surveys, Great Britain, Royal School of Mines.

Libri (G. B. J. T.). Catalogue d'une collection extraordinaire de livres, principalement sur les sciences mathématiques, etc. . . . provenant de *sa* Bibliothèque. (Tract.) 8vo. *Paris*, 1857.

Libri (Mélanie). A Petition addressed to the Senate in the case of M. Libri, with a note in support signed by MM. Guizot, etc. (Tract.) 8vo. *London*, 1861.

Lichtenberg (Ludwig Christian). See Dolomieu (Deodat de) and Erxleben (J. C. P.).

Liddell (Robert Andrew). See Wilson (Joseph).

Liebe (K. Th.). See Geinitz (H. B.).

Liebenroth (Fr. Er. von). Geognostische Beobachtungen und Entdeckungen in der Gegend von Dresden. (Tract.) 4to. *Weissenfels*, 1798.

Lieber (Oscar M.). Reports on the Survey of South Carolina, embracing the progress of the Survey during the years 1856–1859. 8vo. *Columbus, S.C.*, 1856–60.

Liebig (Justus von). Biographical Notices. See Erlenmeyer (Emil), Pettenkofer (Max von), and Vogel (Heinr. August).

——. Francis Bacon von Verulam, und die Geschichte der Naturwissenschaften. Rede in der öffentlichen Sitzung der k. (bayerischen) Akademie der Wissenschaften am 28. März 1863 gehalten. (Tract.) 4to. *Munich*, 1863.

——. Induction und Deduction. (Tract.) 8vo. *Munich*, 1865.

Liebig (Justus von). Die Entwicklung der Ideen in der Naturwissenschaft. Rede in der öffentlichen Sitzung der k. (bayerischen) Akademie der Wissenschaften am 25. Juli 1866 gehalten.
4to. *Munich*, 1866.

——. See SERIALS, ETC.: GIESSEN, Jahresbericht; MUNICH, Akademie der Wissenschaften; and TURNER (Edward).

Liebknecht (G.). Hassiae subterraneae Specimen, clarissima testimonia diluvii universalis, hic et in locis vicinioribus occurrentia, ex triplici regno, animali, vegetabili et minerali petita, figurisque aeneis exposita, imò omnis antiquitatis exempla certissima exhibens, etc.
4to. *Giessen* and *Frankfort*, 1730.

Liége. Réponse de l'Union des Charbonnages, Mines et Usines métallurgiques de la province de Liége, au Mémoire de M. Gustave Dumont, Des affaissements du sol produits par l'exploitation houillère.
4to. *Liége*, 1875.

——. See NAMUR AND LIÉGE RAILWAY.

Lightning Expedition. See CARPENTER (William Benjamin).

Lilljeborg (Wilhelm). On two Subfossil Whales discovered in Sweden.
4to. *Upsala*, 1867.

——. See ESCHRICHT (Reinhardt).

Linant de Bellefonds (Adolphe). Mémoire sur le lac Moeris. (Tract.)
4to. *Alexandria*, 1843.

Lincklaen (Ledyard). Guide to the Geology of New York, and to the State Geological Cabinet. (Tract.) 8vo. *New York*, 1861.

Lindemann (E. von). Index Plantarum usualium floræ Chersonensis. (Tract.) 8vo. *Odessa*, 1872.

Lindley (John). An Outline of the First Principles of Botany. (Tract.)
12mo. *London*, 1830.

——. Nixus Plantarum. (Tract.) 8vo. *London*, 1833.

——. Elements of Botany, Structural, Systematical, and Medical.
8vo. *London*, 1841.

—— and **Hutton** (William). The Fossil Flora of Great Britain. 3 vols. 2 copies. 8vo. *London*, 1831–37.

Lindner (Ignaz Karl). Das kaiserliche königliche oberösterreichische und steyermärkische Salzkammergut mit den Umgebungen. (Tract.)
8vo. *Wels*, 1819.

Lindsay (William Lauder). On the Eruption, in May 1860, of the Kötlugjá Volcano, Iceland. (Tract.) 8vo. *Edinburgh*, 1861.

——. On the Geology of the Gold-fields of Auckland, New Zealand. (Tract.) 2 copies. 8vo. *London*, 1862.

——. Illustrations of the Geology and Mineralogy of Otago, New Zealand. (Tract.) 8vo. *Edinburgh*, 1863.

——. The place and power of Natural History in Colonization, with special reference to Otago, New Zealand. (Tract.)
8vo. *Edinburgh*?, 1863.

——. The Auriferous Quartzites of Scotland. (Tract.)
8vo. *Edinburgh*, 1875.

——. Contributions to Geology and Mineralogy. (Tract.)
8vo. *Edinburgh*?, 1876?

Lindsey (C.). An Investigation of the unsettled boundaries of Ontario.
8vo. *Toronto*, 1873.

Lindström (Gustaf). Några iakttagelser öfver *Zoantharia rugosa*. (Tract.) 8vo. *Stockholm*, 1865.

——. Om tvenne nya öfversiluriska koraller från Gotland. (Tract.) 8vo. *Stockholm*, 1868.

——. A Description of the *Anthozoa perforata* of Gotland. (Tract.) 4to. *Stockholm*, 1870.

——. See SURVEYS: SWEDEN.

Link (Heinrich Fr.). Versuch einer Anleitung zur geologischen Kenntniss der Mineralien. 8vo. *Göttingen*, 1790.

——. Beyträge zur Naturgeschichte. (Geologische und mineralogische Bemerkungen auf einer Reise durch das südwestliche Europa, besonders Portugal.) 2ter Theil. 8vo. *Rostock* and *Leipzig*, 1801.

——. The progress of Physiological Botany in 1841. Translated by E. Lankester. (Ray Society.) 8vo. *London*, 1841–42.

——. Report on Botany. Translated by J. Hudson. (Ray Society.) 8vo. *London*, 1846.

——. Report on Physiological Botany for 1844–1845. (Ray Society.) 8vo. *London*, 1849.

Linnarsson (J. G. O.). Om Vestergötlands cambriska och siluriska aflagringar. (Tract.) 4to. *Stockholm*, 1869.

——. On some Fossils found in the Eophyton Sandstone at Lugnås, in Sweden. (Tract.) 8vo. *Stockholm*, 1869.

——. En egendomlig Trilobitfauna från Jemtland. (Tract.) 8vo. *Stockholm*, 1875.

——. Öfversigt af Nerikes öfvergångsbildningar. (Tract.) 8vo. *Stockholm*, 1875.

——. Geologiska iakttagelser under en resa på Öland. (Tract.) 8vo. *Stockholm*, 1876.

——. On the Brachiopoda of the *Paradoxides* beds of Sweden. (Tract.) 8vo. *Stockholm*, 1876.

——. Om faunan i lagren med *Paradoxides ölandicus*. (Tract.) 8vo. *Stockholm*, 1877.

——. Iakttagelser öfver de graptolitförande skiffrarne i Skåne. (Tract.) 8vo. *Stockholm*, 1879.

——. Om försteningarne i de svenska lagren med *Peltura* och *Sphærophthalmus*. (Tract.) 8vo. *Stockholm*, 1880.

——. See SURVEYS: SWEDEN.

Linné (Carolus a). Fauna Svecica, sistens animalia Sveciæ regni, Quadrupedia, Aves, Amphibia, Pisces, Insecta, Vermes, distributa per classes et ordines, genera et species. 8vo. *Stockhholm*, 1746.

——. Systema Naturæ per Regna tria Naturæ, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. 12th edition. 4 vols. 8vo. *Stockholm*, 1766–67.

——. A General System of Nature, through the three grand kingdoms of Animals, Vegetables, and Minerals. Translated, amended, and enlarged by William Turton. Vols. I.–IV. and Vol. VII. (Animals and Minerals). 8vo. *London*, 1802–06.

——. Lettres inédites de C. Linné à F. Boissier de Sauvages. (Introduction and first 10 pages.) Publiées par L. A. Baron d'Hombres Firmas. 8vo. *Alais*, 1851.

Lionnet (G.). See BRYLINSKI (M.).

Lioy (Paoli). Biographical Notice. See CATULLO (Ant. Tomaso).

Lippi (C.). Qualche cosa intorno ai volcani inseguito di alcune idee geologiche. All' occasione dell' eruzione del Vesuvio del 1812. (Tract.) 8vo. *Naples*, 1813.

——. Fu il fuoco, o l'acqua che sotterrò Pompei ed Ercolano? 8vo. *Naples*, 1816.

——. Il carbone fossile è la cagione de'vulcani. (Tract.) 8vo. *Naples*, 1820.

——. Sul progetto di doversi analizzare le acque minerali d'Ischia da una commissione della Real Academia di Scienze. (Tract.) 8vo. *Naples*, 1820.

Lister (Martin). Historiæ animalium Angliæ tractatus tres. 4to. *London*, 1678.

——. Historiæ sive synopsis methodicæ Conchyliorum libri IV. Editio altera. Recensuit et indicibus auxit Gulielmus Huddesford. Fol. *Oxford*, 1770.

——. Editio tertia. Recensuit et indice locupletissimo instruxit L. W. Dillwyn. (Index only.) Fol. *Oxford*, 1823.

Listiny (J. B.). See Sartorius von Waltershausen (W.).

Liverpool and Manchester Railway. Report [of the Directors]. (Tract.) 8vo. *Liverpool*, 1831.

——. See P * * * (F.).

Liversedge (Archibald). Report on the discovery of Diamonds at Bald Hill, near Hill End. (Tract.) 8vo. *Sydney*, 1873.

——. The Bingera Diamond Field. (Tract.) 8vo. *Sydney*, 1873.

——. Note on a new Mineral [Noumeite] from New Caledonia. (Tract.) 8vo. *London*, 1874.

——. Iron and Coal Deposits at Wallerawang, New South Wales. (Tract.) 8vo. *Sydney*, 1875.

——. Nickel Minerals from New Caledonia. (Tract.) 8vo. *Sydney*, 1875.

——. Disease in the Sugar Cane, Queensland. (Tract.) 8vo. *Sydney*, 1876.

——. Minerals of New South Wales. (Tract.) 8vo. *Sydney*, 1876.

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——. On a remarkable example of Contorted Slate. (Tract.) 8vo. *Sydney*, 1877.

——. See Exhibition of 1875 and Reports, Colonial, etc. New South Wales.

Livingstone Farewell Festival. (Tract.) 8vo. *London*, 1858.

Llanllechid Slate Quarries. Papers relating to the Slate Quarries on the Crown's Estate on Llanllechid Common, in the County of Carnarvon. (Tract.) Fol. *London*, 1823.

Lloyd (Bartholomew). Biographical Notice. See Singer (J. H.).

——. An Address delivered at the first annual meeting of the Geological Society of Dublin, 1832. (Tract.) 8vo. *Dublin*, 1832.

Lloyd (Edward). See Luidius, Edvardus.

Lloyd (*Colonel* J. A.). Papers relating to proposals for establishing Colleges of Arts and Manufactures for the better instruction of the Industrial Classes. (Tract.) 8vo. *London*, 1851.

Lobley (James Logan). Mount Vesuvius. 2 copies. 8vo. *London*, 1868.

——. On the Stratigraphical Distribution of the British fossil Brachiopoda. (Tract.) 8vo. *London*, 1870.

——. The Study of Geology. (Tract.) 8vo. *London*, 1872.

Locard (Arnould). Description de la faune des terrains tertiaires moyens de la Corse. Description des Echinides, par Gustave Cotteau. 8vo. *Paris* and *Geneva*, 1877.

Locke (John). Antiquity of Man. (Tract.) 8vo. *Dublin*, 1865.

Locker (Edward Hawke). Report on the Mines of Aldstone Moor. (Tract.) Fol. *London*?, 1823.

Lockwood (Anthony). A brief Description of Nova Scotia. 4to. *London*, 1818.

Lóczy (L. von). Die Liszkovaer Höhle im Baráthegy. (Liptauer Comitat.) Eine vorgeschichtliche Höhlenwohnung und deren Ueberreste. (Tract.) 8vo. *Pesth*, 1878.

Loftus (William Kennett). Obituary Notice. (Tract.) 8vo. *Newcastle*, 1859.

——. On the Geology of Portions of the Turko-Persian Frontier, and of the Districts adjoining. (Tract.) 8vo. *London*, 1855.

Logan (James Richardson). The Rocks of Pulo Ubin. (Tract.) 4to. *Batavia*, 1847.

Logan (*Sir* William E.). Letter addressed to Mr. Joachim Barrande, on the Rocks of the Quebec Group at Point Levis. (Tract.) 3 copies. 8vo. *Montreal*, 1863.

——. See Barrande (Joachim); and Surveys, Canada.

—— and Hunt (T. Sterry). Esquisse géologique du Canada pour servir à l'intelligence de la carte géologique et de la collection des minéraux économiques envoyées à l'Exposition Universelle de Paris, 1855. 8vo. *Paris*, 1855.

Login (Thomas). Abrading and transporting power of Water. (Tract.) 4to. *London*, 1869.

——. On the Material Improvement of India. (Tract.) 8vo. *London*, 1869.

——. Roads, Railways, and Canals for India. (Tract.) 2 copies. 8vo. *London*, 1869.

——. Login's Patent Method of Protecting Foundations. (Tract.) 8vo. *Umballa*, 1872.

——. See Wilson (Allan).

Lommel (J.). Verzeichniss einzelner Meeres-, Süsswasser- und Land-Conchylien, sowie ganzer geordneter Sammlungen, welche zu nebenstehenden Preisen abgegeben werden. (Tract.) 8vo. *Heidelberg*, 1856.

——. Verzeichniss von Versteinerungen herausgegeben vom Heidelberger Mineralien-Comptoir. (German, French, and English.) (Tract.) 8vo. *Heidelberg*, 1861.

Lommer (Christian Hieronymus). Bergmännischer Beytrag zu der von der königlichen grossbrittannischen Societät der Wissenschaften, auf das Jahr 1781 ausgestellten Preisfrage: Wie waren die Bergwerke bey den Alten eigentlich beschaffen und eingerichtet, etc.? (Tract.) 4to. *Freiberg*, 1785.

London (Archibald, *Bishop of*). See Tait (Archibald Campbell).

London University. Report of the Committee appointed to consider the propriety of establishing a Degree or Degrees in Science, etc. (Tract.) 8vo. *London*, 1858.

London Water Supply. General Board of Health. Report on the Supply of Water to the Metropolis. Appendix, Nos. I.–IV. (Tract.) 8vo. *London*, 1850.

——. See Napier (*Hon.* William).

Long (S. H.). Fossil Remains of a Mastodon found in Tennessee. (Tract.) 8vo. *Philadelphia*, 1832.

Longman (William). Suggestions for the Exploration of Iceland. (Tract.) 8vo. *London*, 1861.

Longuemar (A. le Touzé de). Recherches géologiques et agronomiques dans le département de la Vienne. 8vo. *Poictiers*, 1866.

Lorentz (P. G.). See Von der Decken (Carl Claus). Reisen in Ost-Africa in 1859–1865.

Lorenzana (Francisco Grande de). See Grande de Lorenzana (Francisco).

Lorenzen (C. H.). See Steenstrup (Joh. Japetus Sm.).

Loretz (H.). Das tirol-venetianische Grenzgebiet der Gegend von Ampezzo. 8vo. *Berlin*, 1874.

——. Einige Petrefacten des alpinen Trias aus den Südalpen. (Tract.) 8vo. *Berlin*, 1875.

——. Untersuchungen über Kalk und Dolomit. I. Süd-tiroler Dolomit. (Tract.) 8vo. *Berlin*, 1878.

——. ——. II. Einige Kalksteine und Dolomite der Zechstein-Formation. (Tract.) 8vo. *Berlin*, 1879.

Loriere (— de). See Verneuil (Ed. de).

Lorieux (Théodore) and **Fourcy** (Eugène de). Carte géologique du Morbihan. 8vo. *Paris*, 1858.

Loriol (Percival de). Description des animaux invertébrés fossiles contenus dans l'étage néocomien moyen de Mont Salève. 4to. *Geneva* and *Basle*, 1861.

——. Description des Echinides des terrains crétacés de la Suisse. [Matériaux pour la Paléontologie Suisse . . . par Pictet.] 4to. *Geneva*, *Basle*, and *Lyons*, 1873.

——. Echinologie Helvétique. Description des oursins fossiles de la Suisse. 3me partie. Echinides de la période tertiaire. (Schw. paläont. Gesellschaft.) 4to. *Basle* and *Geneva*, 1875–76.

——. Monographie paléontologique des couches de la zone à *Ammonites tenuilobatus* (Badener Schichten) de Baden (Argovie). (Schw. paläont. Gesellschaft.) 4to. *Basle* and *Geneva*, 1876–78.

——. Monographie des Crinoides fossiles de la Suisse. (Schw. paläont. Gesellschaft.) 4to. *Basle* and *Geneva*, 1877 *etc.*

——. See Desor (E.) and Favre (Ernest).

—— and **Gilliéron** (V.). Monographie paléontologique et stratigraphique de l'étage urgonien inférieur du Landeron (Canton de Neuchâtel). 4to. *Basle* and *Geneva*, 1869.

Lortet (P.) and **Chantre** (E.). Etudes paléontologiques dans le bassin du Rhône. Période quaternaire. 4to. *Lyons*, *Geneva*, and *Basle*, 1873–75.

Lory (Charles). Essai géologique sur le groupe de montagnes de la Grande-Chartreuse. (Tract.) 8vo. *Grenoble*, 1852.

——. See Favre (Alphonse).

Lossen (K. A.). Der Bode-Gang im Harz, eine Granit-Apophyse von vorwiegend porphyrischer Ausbildung. (Tract.) 8vo. *Berlin*, 1874.

Loscher (Karl Immanuel). Historisch-bergmännische Briefe über verschiedene Gegenstände des freybergischen Bergbaues. 8vo. *Leipzig*, 1786.

Lottner (F. H.). Geognostische Skizze des westfälischen Steinkohlen-Gebirges. 8vo. *Iserlohn*, 1868.

Lotze (Mauritius). See Massalongo (A. B.).

Loudon (J. C.). Arboretum et Fruticetum Britannicum; or, the Trees and Shrubs of Britain, native and foreign, hardy and half-hardy, pictorially and botanically delineated, and scientifically and popularly described, etc. 8 vols. 8vo. *London*, 1838.

——. The Derby Arboretum: containing a Catalogue of the Trees and Shrubs included in it, a description of the grounds, etc. (Tract.) 8vo. *London*, 1840.

Louyet (P. L. C. E.). Biography. See Koninck (L. de).

Lovell (Robert). ΠΑΝΖΩΟΡΥΚΤΟΛΟΓΙΑ, sive Panzoologicomineralogia: or a Compleat History of Animals and Minerals, etc. 8vo. *Oxford*, 1661.

Lovén (S.). Om några i Vettern och Venern funna Crustaceer. (Tract.) 8vo. *Stockholm*, 1860.

——. Om Östersjön. (Tract.) 8vo. *Stockholm*, 1864.

——. Etudes sur les Echinoïdées. 4to. *Stockholm*, 1874.

Lovering (Joseph). On the Electro-Dynamic Forces. (Tract.) 8vo. *Boston*, 1850.

Low Moor Iron Works. See Exhibition of 1862.

Lowe (Edward Joseph). Natural Phenomena and Chronology of the Seasons. (Tract.) 8vo. *London*, 1870.

—— and **Lowe** (Arthur Swann Howard). The Climate of Nottingham during the year 1852. (Tract.) 8vo. *London*, 1853.

Lowry (Delvalle). Conversations on Mineralogy. 2 vols. 8vo. *London*, 1822.

Lowry (J. W.). Tabular View of Characteristic British Fossils, stratigraphically arranged. *London*, 1853.

Lubbock (*Sir* John). On the Ova and Pseudova of Insects. (Tract.) 4to. *London*, 1859.

——. Leydig's Natural History of the Daphnidæ reviewed. (Tract.) 8vo. *London*, 1861.

——. On *Sphærularia bombi*. (Tract.) 8vo. *London*, 1861.

——. On some Oceanic Entomostraca collected by Captain Toynbee. (Tract.) 4to. *London*, 1862.

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——. On the Evidence of the Antiquity of Man, afforded by the Physical Structure of the Somme Valley. (Tract.) 8vo. *London*, 1862.

——. North-American Archæology. (Tract.) 8vo. *London*, 1863.

Lubbock (*Sir* John). Notes on some new or little-known Species of Freshwater Entomostraca. (Tract.) 4to. *London*, 1863.

——. Pre-Historic Times, as illustrated by ancient remains, and the manners and customs of modern savages. 2nd edition. 8vo. *London* and *Edinburgh*, 1869.

——. Monograph of the Collembola and Thysanura; with an appendix on the Scales of the Collembola and Thysanura, by Joseph Beck. (Ray Society.) 8vo. *London*, 1873.

Lubbock (*Sir* John William). On the Heat of Vapours and on Astronomical Refraction. (Tract.) 8vo. *London*, 1840.

——. On the Theory of the Moon, and on the Perturbations of the Planets. Parts vi.–x. 8vo. *London*, 1848–61.

Luc (J. André de). Reisen nach den Eisgebürgen von Faucigny in Savoyen. Aus dem französischen übersetzt. 8vo. *Leipzig*, 1777.

——. Lettres physiques et morales, sur les montagnes et sur l'histoire de la terre et de l'homme, addressées à la Reine de la Grande Bretagne. 8vo. *The Hague*, 1778.

——. Lettres physiques et morales sur l'histoire de la terre et de l'homme. 5 vols. 8vo. *Paris*, 1779.

——. An Elementary Treatise on Geology, determining fundamental points in that Science, &c. Translated from the French MS. by Henry de la Fite. 8vo. *London*, 1809.

——. Geological Travels. Translated from the French manuscript. 3 vols. 8vo. *London*, 1810–11.

——. On the Geological Phenomena. (Tracts.) 8vo. *London*, 1812.

——. Geological Travels in some parts of France, Switzerland, and Germany. Translated from the French manuscript. 2 vols. 8vo. *London*, 1813.

——. Réfutation de l'hypothèse d'un auteur anonyme sur la formation des vallées. (Tract.) 8vo. *Paris*, 1815.

——. De la matière des laves. (Tract.) 8vo. *Paris*, 1816.

——. Histoire du passage des Alpes par Annibal. 8vo. *Geneva* and *Paris*, 1818.

——. Mémoire sur les rochers calcaires innombrables, épars dans les environs de la roche, et jusqu'au lit de l'Arve, et sur les blocs de granit qui les accompagnent. (Tract.) 4to. *Geneva*, 1837.

Luc (D. and D. de). Relation de différents voyages dans les Alpes du Faucigny. 8vo. *Maestricht*, 1776.

Luca (S. de). Ricerche sulla formazione della materia grassa ne' frutti dell' ulivo. (Tract.) 8vo. *Naples*, 1862.

——. Osservazioni sulla estrazione della mannite dalle foglie e da' frutti di ulivo. Analisi qualitativa di calcoli intestinali di cavallo. Ricerche chimiche sulle materie cristallizzate contenute nelle foglie delle piante. (Tract.) 4to. *Naples*, 1865.

——. Ricerche sull' estrazione della mannite dalle foglie di ulivo. (Tract.) 4to. *Naples*, 1865.

—— and **Ubaldini** (G.). Ricerche chimiche su' frutti del mirto australe e de' mirti communi. (Tract.) 4to. *Naples*, 1865.

Lucas (Jean André Henri). Tableau méthodique des espèces minérales. 2 vols. 8vo. *Paris*, 1806–13.

——. De la Minéralogie. (Tract.) 8vo. *Paris*, 1818.

Lucas (Joseph). Horizontal Wells. 8vo. *London*, 1874.

——. Hydrogeology: one of the Developments of Modern Practical Geology. (Tract.) 8vo. *London*, 1877.

Lucas (S.). Creation Redemptive: an Essay. 8vo. *Helston*, 1858.

——. The Biblical Antiquity of Man. 8vo. *London*, 1866.

——. The Noaic Deluge: its probable physical effects and present evidences. 8vo. *London*, 1873.

Luccio (Vincenzo di). See ADMIRALTY PUBLICATIONS: Venice.

Lucy (W. C.). The Gravels of the Severn, Avon, and Evenlode, and their extension over the Cotteswold Hills. 8vo. *Gloucester*, 1869.

——. The Submerged Forest, Holly Hazle, Sharpness. (Tract.) 8vo. *Gloucester*, 1874.

Lüdecke (Otto). Der Glaukophan und die glaukophanführenden Gesteine der Insel Syra. (Tract.) 8vo. *Berlin*, 1876.

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——. Ueber Reinit, K. von Fritsch. Ein neues wolframsaures Eisenoxydul. (Tract.) 8vo. *Halle*, 1879.

Ludlam (A.). Essay on the Cultivation and Acclimatization of Trees and Plants. (Tract.) 8vo. *Dunedin*, 1865.

Ludlow (William). Report of a Reconnaissance of the Black Hills of Dakota, made in the Summer of 1874. 8vo. *Washington*, 1875.

Ludwig (Christ. Friedr.). See HUMBOLDT (Friedrich Alexander von).

Ludwig (Rudolph). Ueber die jüngern Kalk-, Thon-, Sandstein-, Sand-, Geschieb-, und Lehm-Ablagerungen der Obergrafschaft Hanau. (Tract.) 8vo. *Hanau*, 1850.

——. Die Kupferschiefer- und Zechsteinformation am Rande des Vogelsberges und Spessarts. (Tract.) 8vo. *Hanau*, 1851.

——. Geognostische Beobachtungen in der Gegend zwischen Giessen, Fulda, Frankfurt a. M. und Hammelburg. (Tract.) 8vo. *Darmstadt*, 1852.

——. Geologische Skizze des Grossherzogthums Hessen. (Tract.) 4to. *Darmstadt*, 1867.

——. Versuch einer Statistik des Grossherzogthums Hessen auf Grundlage der Bodenbeschaffenheit. (Tract.) 8vo. *Darmstadt*, 1868.

——. Fossile Crocodilien aus der Tertiärformation des Mainzer Beckens. 4to. *Cassel*, 1877.

——. See THEOBALD (G.); and SURVEYS, HESSE.

Lufing (Ch. Fr.). Observations on the Rise of Land in Scandinavia. (Tract.) MS. *Berlin*, 1831.

Luidius (Edvardus). Lithophylacii Britannici Ichnographia. Lapidum aliorumque fossilium Britannicorum singulari figura insignium, quotquot hactenus vel ipse invenit vel ab amicis accepit, distributio classica, etc. 2nd edition. 8vo. *Oxford*, 1760.

Lujan (Francisco de). Estudios y observaciones geológicas relativos á terrenos que comprenden parte de la provincia de Badajoz, y de las de Sevilla, Toledo, y Ciudad-Real, etc. (Tract.) 4to. *Madrid*, 1850.

Lund (P. W.). View of the Fauna of Brazil previous to the last Geological Revolution. (Tract.) 8vo. *London*, 1840.

——. Blik paa Brasiliens dyreverden for sidste jordomvæltning. 4to. *Copenhagen*, 1841.

Lundgren (Bernhard). Om Belemniterna i sandkalken i Skåne. (Tract.) 8vo. *Stockholm*, 1876.

——. Om Inoceramusarterna i kritformationen i Sverige. (Tract.) 8vo. *Stockholm*, 1876.

——. Studier öfver faunan i den stenkolsförande formationen i nordvästra Skåne. 4to. *Lund*, 1878.

Lüneburg Commission. Plan zur künstigen Einrichtung der Saline zu Lüneburg. (Tract.) 8vo. *Hanover*, 1797.

Luther (Johann Georg). Historiæ naturalis fossilium caput de Terris. (Tract.) 4to. *Leipzig*, 1745.

Luvini (Giovanni). Di un nuovo strumento meteorologico-astronomico il Dieteroscopio. (Tract.) 8vo. *Turin*, 1874.

Lyall (George). Address to the Members of the South-Shields Geological Club, 1863. (Tract.) 8vo. *South Shields*, 1863.

Lycett (John). On *Trichites*, a fossil genus of Bivalve Mollusks. (Tract.) 8vo. *London*, 1850.

——. Tabular View of Fossil Shells from the middle division of the Inferior Oolite in Gloucestershire. (Tract.) 8vo. *London*, 1850.

——. On some new Species of *Trigonia* from the Inferior Oolite of the Cotteswolds, with preliminary remarks upon that genus. (Tract.) 8vo. *London*, 1853.

——. The Cotteswold Hills. Hand-book introductory to their Geology and Palæontology. 8vo. *London*, 1857.

——. Notes on the Ammonites of the Sands intermediate the Upper Lias and Inferior Oolite. (Tract.) 8vo. *London*, 1861.

——. A Monograph of the British Fossil *Trigoniæ*. [Palæontographical Society.] 4to. *London*, 1871–79.

——. Supplementary Monograph on the Mollusca from the Stonesfield Slate, Great Oolite, Forest Marble, and Cornbrash. [Palæontographical Society.] 4to. *London*, 1863.

——. See also Morris (John).

Lyell (*Sir* Charles). Biographical Notices. See Davidson (Thomas) and Dawson (J. W.).

——. On a Dyke of Serpentine, cutting through Sandstone, in the county of Forfar. (Tract.) 8vo. *Edinburgh*, 1825.

——. Principles of Geology. 1st edition. 3 vols. 8vo. *London*, 1830–33.

——. ——. 2nd edition. Vol. 1. 8vo. *London*, 1832.

——. ——. 3rd edition. 4 vols. 8vo. *London*, 1834.

——. ——. 5th edition. 4 vols. 8vo. *London*, 1837.

——. ——. 6th edition. 3 vols. 8vo. *London*, 1840.

——. ——. 7th edition. 1 vol. 8vo. *London*, 1847.

——. ——. 9th edition. 1 vol. 8vo. *London*, 1853.

——. ——. 10th edition. 2 vols. [2 copies, and Vol. II. in triplicate.] 8vo. *London*, 1867.

——. ——. 11th edition. 2 vols. 8vo. *London*, 1872.

——. ——. 12th edition. 2 vols. 8vo. *London*, 1875.

Lyell (*Sir* Charles). On the Cretaceous and Tertiary Strata of the Danish Islands of Seeland and Möen. (Tract.) 4to. *London*, 1835.

——. Elements of Geology. 8vo. *London*, 1838.

——. ——. 2nd edition. 8vo. *London*, 1841.

——. ——. 6th edition. 8vo. *London*, 1865.

——. Elementos de Geologia. Traducidos por Don Joaquin Ezquerra del Bayo. 8vo. *Madrid*, 1847.

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——. On the occurrence of two species of Shells of the genus *Conus* in the Lias, or Inferior Oolite, near Caen, in Normandy. (Tract.) 8vo. *London*, 1840.

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——. ——. 2nd edition. 2 vols. 8vo. *London*, 1855.

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——. ——. 3rd edition. 2 vols. 8vo. *London*, 1855.

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——. ——. 4th edition. 8vo. *London*, 1852.

——. ——. 5th edition. 8vo. *London*, 1855.

——. ——. Supplement. 8vo. *London*, 1857.

——. ——. ——. 2nd edition. 2 copies. 8vo. *London*, 1857.

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Lyell (*Sir* Charles). The Geological Evidences of the Antiquity of Man, with an outline of Glacial and Post-Tertiary Geology, and remarks on the Origin of Species, with special reference to Man's first appearance on the Earth. 1st edition. 8vo. *London*, 1863.

——. ——. 4th edition. 8vo. *London*, 1873.

——. Address to the British Association, 1861. (Tract.) 8vo. *London*, 1865.

——. The Student's Elements of Geology. 8vo. *London*, 1871.

——. ——. 2nd edition. 8vo. *London*, 1874.

——. See Reports, Parliamentary. New York Industrial Exhibition.

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—— and **Hall** (James). Rapport sur la partie géologique de l'exposition de New York. Traduit de l'anglais par M. A. Laugel. (Tract.) 8vo. *Paris*, 1854.

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——. Topography of the Punjab Oil Region. 4to. *Philadelphia*, 1872.

——. A Report of Progress for the first year of the Oil Surveys—Geological Survey of the Oil Lands of Japan. (Tract.) 8vo. *Tokei*, 1877.

——. See Surveys: Japan.

Lyman (Chester S.). The Meteor of July 20, 1860. (Tract.) 8vo. *Montreal*, 1860.

Lyman (Theodore). See Museums: Harvard College.

Lynch (W. F.). Report of an Examination of the Dead Sea. (Tract.) 8vo. *Washington*, 1849.

——. Official Report of the United States Expedition to explore the Dead Sea and the River Jordan. 4to. *Baltimore*, 1852.

Lyons. Commission Hydrométrique. Résumé des observations recueillies en 1859 dans le bassin de la Saône par les soins de la Commission Hydrométrique de Lyon. 16e année. (Tract.) 8vo. *Lyons*, 1860.

——. [Observations météorologiques et hydrométriques faites à Lyon, 1851–1857.] 8vo. *Lyons*, 1858.

——. Commission de Météorologie. Années 26, 28, 29, 32 et 33. 1871–1872. 8vo. *Lyons*, 1869–77.

M.

M * * * (C.). On the Erratic Formation of the Bernese Alps and other parts of Switzerland. (Tract.) 12mo.

Maack (G. A.). Paläontologische Untersuchungen über noch unbekannte Lophiodonfossilien von Heidenheim am Halenenkamme in Mittelfranken, etc. (Tract.) 8vo. *Leipzig*, 1865.

——. Die bis jetzt bekannten Fossilen Schildkröten. 4to. *Cassel*, 1869.

Macadam (James). Geological observations on the Neighbourhood of Belfast. (Tract.) 8vo. *Dublin*, 1850.

——. On a new Fossil Cirripede. (Tract.) 8vo. *London*, 1858.

MacAndrew (Robert). On the Geographical Distribution of Testaceous Mollusca in the North Atlantic and neighbouring Seas. (Tract.) 8vo. *Liverpool*, 1854.

——. List of Species of Mollusca obtained by Prof. Goodsir from Spitzbergen. With a note by S. P. Woodward. (Tract.) 8vo. *London*, 1855.

——. List of the British Marine Invertebrate Fauna. For the Dredging Committee of the British Association. (Tract.) 4to. *London*, 1860.

——. Note on the Comparative size of Marine Mollusca in various latitudes of the European Seas. (Tract.) 8vo. *London*, 1860.

—— and **Forbes** (Edward). Notices of new or rare British Animals observed during cruises in 1845 and 1846. (Tract.) 8vo. *London*, 1872.

Macaulay (Thomas Babington, *Lord*). *His* Library. Richard Simpson's Sale Catalogue. (Tract.) 8vo. *London*, 1863.

MacCauley (C. A. H.). Notes on the Ornithology of the region about the source of the Red River of Texas, etc.; annotated by Dr. Elliott Coues. (Tract.) 8vo. *Washington*, 1877.

MacChaff (Alexander). A Letter to the Editor of the Glasgow 'Argus;' occasioned by an Article which recently appeared in that paper, entitled "Reasons for a new edition of the Nursery Rhymes of England, containing notices of the defects of former impressions." (Tract.) 8vo. *London*, 1842.

MacChesney (C. E.). Notes on the Mammals of Fort Sisseton, Dakota; annotated by Elliott Coues. (Tract.) 8vo. *Washington*, 1878.

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——. Report on the Geological Survey of India for the season 1848–1849. 4to. *Calcutta*, 1850.

——. Sketch of the Medical Topography, or Climate and Soils, of Bengal and the N.W. Provinces. 8vo. *London*, 1859.

——. See Reports, Colonial, India; and Reports, Parliamentary, Coal.

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——. Systematic description of the British Palæozoic Fossils in the Geological Museum of the University of Cambridge. 4to. *London* and *Cambridge*, 1855.

——. See Exhibition of 1862; Griffith (*Sir* Richard); Sedgwick (Adam); and Surveys, Victoria.

Macculloch (John). A description of the Western Islands of Scotland including the Isle of Man. 2 vols. 8vo; Plates, 4to. *London*, 1819.

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Macdonald (William). (Contributions to the History of Development in Animals.) I. On Fœtal Circulation. (Tract.) 8vo. *Edinburgh*, 1868.

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Macdougall (G. Gordon). See Graah (W. A.).

Macedo (Joaquim José da Costa de). See Da Costa de Macedo (Joaquim José).

MacEnery (John). Catalogue [sale] of his rare and splendid collection of Fossils, Minerals, Paintings, etc. (Tract.) 8vo. *Torquay*, 1842.

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Macgillivray (William). The Natural History of Dee Side and Braemar. 8vo. *London*, 1855.

MacIntosh (W. C.). A Monograph of the British Annelids. Part I. (Ray Society.) 4to. *London*, 1873.

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——. An illustrated Catalogue of British Fossil Sponges, etc. Part II. Bibliography of British Fossil Sponges. (Tract.) 8vo. *London*, 1866.

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——. Telliamed: or Discourses between an Indian Philosopher and a French Missionary, on the Diminution of the Sea, the Formation of the Earth, etc. (Translation.) 8vo. *London*, 1750.

Main (Robert). The Annual Address of the Victoria Institute . . . . 7th June, 1875. 3rd edition. (Tract.) 8vo. *London*, 1876.

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——. First Report on the Facts of Earthquake Phænomena. (Tract.) 8vo. *London*, 1850.

——. Second Report on the Facts of Earthquake Phænomena. (Tract.) 8vo. *London*, 1852.

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——. See Palmieri (L.).

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Malte-Brun (—). Précis de la géographie universelle. 5 vols. 8vo; Atlas, 4to. *Paris*, 1812.

Malves (J. P. de Gua de). See Gua de Malves (J. P. de).

Mammatt (Edward). A Collection of Geological Facts and Practical Observations, intended to elucidate the formation of the Ashby Coal-field. 4to. *Ashby-de-la-Zouch*, 1834.

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——. ——. Catalogue of the Books. Prepared by A. Crestadoro. 8vo. *London*, 1864.

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Manès (W.). Statistique minéralogique, géologique et minérallurgique du département de Saône-et-Loire. 8vo. *Macon*, 1847.

Manicone (Michaelangelo). La fisica appula. 5 vols. 8vo. *Naples*, 1806–07.

Mannerheim (C.). Sur l'état de l'entomologie en Russie. See Fischer de Waldheim (Gotthelf). Jubilaeum, etc. Fol. *Moscow*, 1847.

Mansel-Pleydell (J. C.). See Pleydell (J. C. Mansel).

Mansfield (E. D.). See Bullock (W.).

Mansion (P.). See Namur (A.).

Mantell (Gideon Algernon). A Reminiscence of Gideon Algernon Mantell, by a Member of the Council of the Clapham Athenæum; to which is appended an obituary by Professor Silliman. (Tract.) 8vo. *London*, 1853.

——. A Sketch of the Geological Structure of the South-eastern part of Sussex. (Tract.) 8vo. *Lewes*, 1818.

——. On the Chalk of Sussex. MS. Sm. 4to.

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——. Notice on the *Iguanodon*, a newly-discovered fossil reptile, from the sandstone of Tilgate Forest, in Sussex. (Tract.) 4to. *London*, 1825.

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Mantell (Gideon Algernon). A descriptive Catalogue of the Collection illustrative of Geology and Fossil Comparative Anatomy in *his* Museum. 3rd edition. (Tract.) 8vo. *London*, 1834.

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——. Descriptive Catalogue of the objects of Geology, Natural History, and Antiquity (chiefly discovered in Sussex) in the museum attached to the Sussex Scientific and Literary Institution, at Brighton. 6th edition. (Tract.) 8vo. *London*, 1836.

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——. The Wonders of Geology; or, A familiar exposition of Geological phenomena. 6th edition. 2 vols. 8vo. *London*, 1848.

——. ——. 7th edition. 2 vols. 8vo. *London*, 1857.

——. A Sketch of the Geology of Surrey. 4to. *Dorking*, 1840.

——. On the Geological Structure of the country seen from Leith Hill in the County of Surrey. 4to. *Dorking*, 1840?

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——. Az Izomidegek Vígzödéseiröl. (Tract. 4to. *Pesth*, 1862.

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Marion (A. F.). See SAPORTA (Gaston de).

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Markree Catalogue. Catalogue of Stars near the Ecliptic, observed at Markree during the years 1848–1856. 4 vols. 8vo. *Dublin*, 1851–56.

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——. See HAUER (Franz von) and SUESS (Edward).

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Martius (Carl Friedrich Philip von). Biographical Notice. See MEISSNER (C. F.).

——. Denkrede auf Joseph Gerhard Zuccarini. (Tract.) 4to. *Munich*, 1848.

——. Rede bei Eröffnung der Sitzung der k.-b. Akademie der Wissenschaften am 28. März 1848. (Tract.) 4to. *Munich*, 1848.

——. Denkrede auf Heinrich Friedrich Link. (Tract.) 4to. *Munich*, 1851.

——. Denkrede auf Christian Samuel Weiss. (Tract.) 4to. *Munich*, 1857.

——. Erinnerung an Mitglieder der mathematisch-physikalischen Classe der k.-b. Akademie der Wissenschaften. (Tract.) 4to. *Munich*, 1859.

——. Denkrede auf Alexander von Humboldt. (Tract.) 4to. *Munich*, 1860.

——. Denkrede auf Joh. Andreas Wagner. (Tract.) 4to. *Munich*, 1862.

——. Zum Gedächtniss an Jean Baptiste Biot. (Tract.) 4to. *Munich*, 1862.

Maryland and Pennsylvania. Messages from the Governors of Maryland and Pennsylvania, transmitting the Reports of the Joint Commissioners, and of Lieut.-Col. Graham, in relation to the intersection of the Boundary lines of the States of Maryland, Pennsylvania, and Delaware. (Tract.) 8vo. *Chicago*, 1862.

Marzari Pencati (Giuseppe). Elenco delle piante spontanee fino ad ora osservate nel territorio di Vicenza. (Tract.) 8vo. *Milan*, 1802.

——. Corsa pel bacino del Rodano e per la Liguria d'occidente, divisa in sei sezioni, di cui la principale, cioè quella che diede motivo all' opera, contiene la orittografia del Monte Coiron, situato nella dianzi provincia Vivarese, ora dipartimento de l'Ardèche. 8vo. *Vicenza*, 1806.

——. Descrizione del tachigonimetro, nuovo stromento geodetico, etc. (Tract.) 4to. *Milan*, 1811.

——. Notizia sopra un granito in massa sovrapposta [sul fiume Avisio] in giacimento discordante, al calcare secondario, etc. (Tract.) Fol. *Venice*, 1820.

——. Quadro delle formazioni che serve d'indice all' Essai géognostique sur le gisement des roches dans les deux hemisphères del Barone di Humboldt, etc. (Tract.) Fol. *Venice*, 1825.

Maschmann (H.). Om at forebygge glaskars sprængning under pludselig temperaturvexel. (Tract.) 8vo. *Christiana*, 1832–33.

Masculi (Joan. Bapt.). De incendio Vesuvii excitato XVII Kal. Januar. anno trigesimo primo sæculi decimi septimi (1631). 8vo. *Naples*, 1633.

Maskelyne (Nevil Story). On the Insight hitherto obtained into the nature of the Crystal Molecule by the instrumentality of Light. (Tract.) 8vo. *London*, 1859.

——. See British Museum.

Massa (John). On the Ligurian Mountains. (Tract.) MS.

Massalongo (Abramo). Syllabus plantarum fossilium hucusque in formationibus tertiariis agri Veneti delectarum. 8vo. *Verona*, 1859.

——. See Visiani (Roberto de).

—— and **Lotze** (Mauritius). Specimen photographicum animalium quorumdam plantarumque fossilium. 4to. *Verona*, 1859.

—— and **Scarabelli** (G. F.). Studii sulla flora fossile e geologia stratigrafica del Senigalliese. 4to. *Imola*, 1859.

Masters (Maxwell T.). Vegetable Teratology; an account of the principal deviations from the usual construction of plants. Illustrated by E. M. Williams. [Ray Society.] 8vo. *London*, 1869.

Matani (Antonio). Delle produzioni naturali del territorio Pistojese: relazione istorica e filosofica. 4to. *Pistoja*, 1762.

Mather (William W.). Sketch of the Geology and Mineralogy of New London and Windham Counties, in Connecticut. (Tract.) 8vo. *Norwich, Conn.*, 1834.

——. See New York, Natural History; and Surveys, Ohio.

Matheron (Philippe). Catalogue méthodique et descriptif des corps organisés fossiles du département des Bouches-du-Rhône et lieux circonvoisins. 8vo. *Marseilles*, 1842.

——. Recherches paléontologiques dans le midi de la France, etc. Livr. 1 & 2. (Tract.) 8vo. *Marseilles*, 1878.

Mathieu (C. L.). Code des Mines, ou Recueil des lois et règlemens, tant anciens que modernes, etc. 8vo. *Paris*, 1810.

Maton (William George). Observations relative chiefly to the Natural History, Picturesque Scenery, and Antiquities of the Western Counties of England, made in the years 1794 and 1796. 2 vols. 8vo. *Salisbury*, 1797.

—— and **Rackett** (Thomas). A descriptive Catalogue of the British Testacea. 4to. *London*, 1804.

Matteucci (Carlo). Electro-Physiological Researches. Fourth Memoir. The Physiological action of the Electric Current. (Tract.) 4to. *London*, 1846.

Matthews (Washington). See Surveys: United States.

Maupertuis (Pierre Louis Moreau de). The Figure of the Earth, determined from observations made by order of the French King, at the Polar Circle. Translated from the French. 8vo. *London*, 1738.

——. See Keill (J.).

Maurer (G. L. von). Rede bei der hundertjährigen Stiftungsfeier der k. Akademie der Wissenschaften am 28. März 1859. (Tract.) 4to. *Munich*, 1859.

Maury (Matthew Fontaine). Investigations of the Winds and Currents of the Sea. From the Appendix to the Washington Astronomical Observations for 1846. (Tract.) 4to. *Washington*, 1851.

——. On the probable relation between Magnetism and the Circulation of the Atmosphere. From the Appendix to the Washington Astronomical Observations for 1846. (Tract.) 4to. *Washington*, 1851.

——. Explanations and Sailing Directions to accompany the wind and current charts. 4th edition. 4to. *Washington*, 1852.

——. ——. 8th edition. Vol. I. 4to. *Washington*, 1858.

——. The Amazon and the Atlantic Slopes of South America. (Tract.) 8vo. *Washington*, 1853.

——. [Observations on Atmospheric pressure.] (Tract.) 8vo. *Philadelphia*, 1853.

——. The Physical Geography of the Sea. [New edition.] 8vo. *London*, 1858.

——. ——. 5th edition. 8vo. *London*, 1872.

——. See United States. Naval Observatory.

Maw (George). See Exhibition of 1867 (Paris).

Maw (Henry Lister). The Irish Land Bill. (Tract.) 8vo. *London*, 1870.

Mawe (John). The Mineralogy of Derbyshire; with a Description of the most interesting Mines in the North of England, in Scotland, and in Wales; and an Analysis of Mr. Williams's work. 8vo. *London*, 1802.

——. On the Diamond-mines in the Brazils. (Tract.) Fol. *Manuscript*, 1810.

——. On a Gold-mine in South America. (Tract.) MS.

——. A Treatise on Diamonds and Precious Stones, including their History—Natural and Commercial. 8vo. *London*, 1813.

May (A.). A Swedish Grammar for Englishmen. 8vo. *London* and *Stockholm*, 1855.

Mayer (Johann). Sammlung physikalischer Aufsätze, besonders die böhmische Naturgeschichte betreffend, von einer Gesellschaft böhmischer Naturforscher. 2 copies. 8vo. *Dresden*, 1791.

——. See Rösler (Karl Anton).

Mayer (John). See British Association: Glasgow Guide Books.

Mayer (Karl). Liste par ordre systématique des Bélemnites des terrains jurassiques et diagnoses des espèces nouvelles. (Tract.) 8vo. *Paris*, 1863.

——. Catalogue systématique et descriptif des fossiles des terrains tertiaires qui se trouvent au musée fédéral de Zurich. Cahiers 2–4. (Tract.) 2 copies. 8vo. *Zurich*, 1867–70.

——. Ueber die Nummuliten-Gebilde Ober-Italiens. (Tract.) 8vo. *Zurich*, 1869.

——. Description de coquilles fossiles des terrains tertiaires inférieurs. (Tract.) 8vo. *Paris*, 1870.

——. See Hartung (G.).

Mayes (Charles). See Victoria.

Mayr (Gustav L.). Die Ameisen des baltischen Bernsteins. (Tract.) 4to. *Konigsberg*, 1868.

Mazzola (Giuseppe). See Turin (Regio Osservatorio).

Meade (Richard). On specimens collected in New Hampshire, Vermont, etc. (2 tracts.) MS. 1810–11.

Mecatti (Giuseppe Maria). Racconto storico-filosofico del Vesuvio, etc. 4to. *Naples*, 1752.

——. Descrizione della lava scorsa nel mese di luglio dell' anno 1754, nel cratere, o sia piattaforma del Vesuvio, ed eruttata dalla cima d'una montagnuola creatasi quasi nel mezzo di esso cratere; come lo dimostra l'ingiunta carta estratta dal libro dell' osservazioni che mensualmente si fanno dentro il cratere del Vesuvio. 4to. *Naples*, 1754.

Medlicott (H. B.). Note relating to the Sivalik Fauna. (Tract.) 8vo. *Calcutta*, 1865.

——. See Campbell (John Francis).

—— and **Blanford** (W. T.). A Manual of the Geology of India. Part I. Peninsular Area. Part II. Extra-Peninsular Area. With folded map. 3 vols. 8vo. *Calcutta*, 1879.

—— and **Theobald** (W.). Notes on a Celt found by Mr. Hacket in the ossiferous deposits of the Narbadá Valley (Pliocene of Falconer): on the age of the deposits by Mr. H. B. M.; on the associated shells by Mr. W. T. (Tract.) 8vo. *Calcutta*, 1873.

Meek (F. B.). Check-list of the Invertebrate Fossils of North America. Miocene. (Smithsonian Miscellaneous Collections, 183.) (Tract.) 8vo. *Washington*, 1864.

——. A Reply to some Remarks published by Prof. Swallow on certain disputed points in the Geology of Kansas and other North-western Localities. (Tract.) 8vo. *Philadelphia?*, 1869.

——. See Surveys: California, Missouri, Ohio, and United States.

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——, ——. Geological Explorations in Kansas Territory. (Tract.) 8vo. *Philadelphia*, 1859.

Meekins (T. C. Mossom). Parliamentary Reform; Should the Colonies be Represented? (Tract.) 8vo. *London*, 1859.

Meguscher (Francisco). Memoria in risposta al quesito: additare la migliore e più facile maniera per rimettere i boschi nelle montagne diboschite dell' alta Lombardia e per conservarli e proffettarne. 8vo. *Milan*, 1847.

Meigs (J. Aitken). Hints to Craniographers. (Tract.) 8vo. *Philadelphia*, 1858.

——. Description of a deformed, fragmentary Human Skull, found in an ancient quarry-cave at Jerusalem, etc. (Tract.) 8vo. *Philadelphia*, 1859.

Meissner (C. F.). Denkschrift auf Carl Friedr. Phil. von Martius. (Tract.) 2 copies. 4to. *Munich*, 1869.

Melbourne. Meteorological Observatory. Results of the Meteorological Observations taken in the Colony of Victoria during the years 1859–1862. Edited by George Neumayer. 4to. *Melbourne*, 1864.

——. The Catalogue of the Melbourne Public Library for 1861. 8vo. *Melbourne*, 1861.

Melle (Jacob a). De lapidibus figuratis agri litorisque Lubecensis. 4to. *Lubeck*, 1720.

Mëller (V.). **Очеркъ.** Sketch of the Geological Structure of the Southern Part of the Nijegorod Government. (Tract.) 8vo. *St. Petersburg*, 1875.

Melliss (John Charles). St. Helena: a physical, historical, and topographical description of the island. 8vo. *London*, 1875.

Mello (J. Magens). A general sketch of the Geology of Derbyshire. (Tract.) 8vo. *London*, 1872.

——. Coal: its nature and uses. (Tract.) 2 copies. 8vo. *Derby*, 1873.

——. The Midland Coal Field. 8vo. *Derby*, 1874.

——. Handbook to the Geology of Derbyshire. 8vo. *London*, 1876.

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——. Palæolithic Man at Creswell. (Tract.) 8vo. *Derby*, 1879.

——. See British Association. Sheffield Guide Book.

Melograni (Giuseppe). Manuale Geologico. 8vo. *Naples*, 1809.

Melsheimer (Friedrich Ernst). Catalogue of the described Coleoptera of the United States, revised by S. S. Haldeman and J. L. Le Conte. (Tract.) 8vo. *Washington*, 1853.

Melvill of Carnbee (*Baron*). The Seaman's Guide round Java; and around the islands east of Java, by H. D. A. Smits. 8vo. *London*, 1850.

Melville (A. G.). See Mantell (Gideon Algernon) and Strickland (H. E.).

Menard de la Groye (F. J. B.). Catalogue des livres composant *sa* bibliothèque. (Tract.) 8vo. *Paris*, 1828.

Meneghini (Giuseppe). Nuovi fossili toscani. (Tract.) 8vo. *Florence*, 1851.

See also Savi (P.) and Meneghini (G.).

——. Laurea in scienze naturali di Francesco Carega. (Sulla attuale scienza geologica.) (Tract.) 8vo. *Pisa*, 1853.

——. On the Animal Nature of the Diatomeæ, with an organographical revision of the genera established by Kützing. Translated by Christopher Johnson. (Ray Society.) 8vo. *London*, 1853.

——. Laurea in scienze naturali conferito al Sig. Alessandro Spagnolini. (Tract.) 8vo. *Pisa*, 1857.

——. Paléontologie de l'île de Sardaigne. (From De la Marmora's 'Voyage en Sardaigne.') 8vo. *Turin*, 1857.

——. ——. With plates. 4to. *Turin*, 1857.

——. Descrizione dei resti di due fiere trovati nelle ligniti mioceniche di Montebambola. (Tract.) 8vo. *Milan*, 1862.

——. Sugli Echinodermi fossili neogenici di Toscana. (Tract.) 8vo. *Milan*, 1862.

——. *Dentex Müinsteri*, specie di pesce i cui resti fossili, trovati nelle argille subapennine del Volterrano dal Dott. Gaspare Amidei etc. (Tract.) 4to. *Pisa*, 1864.

——. See Savi (Paolo) and Renieri (Stefano Andrea).

—— and **Achiardi** (A. d'). Nuovi fossili titonici di Monte Primo e di Sanvicino, nell' Apennino centrale. (Tract.) 8vo. *Pisa*, 1879.

Meneguzzo (Giovanni). Stratigrafia della provincia Vicentina. (Tract.) 8vo. *Vicenza*, 1868.

Menish (H. ?). On Concrete Boracic Acid. (Tract.) 4to. *MS.*, 1808.

Menteath (*Sir* James Stuart). Memoir on the Geology of the Snowdon range of mountains, as connected with its scenery, soil, and productions. (Tract.) 2 copies. 8vo. *Edinburgh*, 1829.

Mercer (Nathan). The Chemistry of Gold, with a sketch of its Natural History and Geological distribution. 8vo. *Liverpool*, 1853.

Mercey (N. de). Note sur la direction adoptée pour le tracé des coupes de la carte géologique du département de la Somme, et sur certains rapports entre la structure du sol de la Picardie et celle du détroit du Pas-de-Calais. (Tract.) 8vo. *Paris*, 1876.

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Mercier de Boissy (Ange Bernard). Biography. See ARCHIAC (*Vicomte d'*).

Merian (Peter). Beiträge zur Geognosie. 1er Band. 2 copies. 8vo. *Basle*, 1821.

——. Geognostische Uebersicht des südlichen Schwarzwaldes. 8vo. *Basle*, 1831.

——. Ueber die in Basel wahrgenommenen Erdbeben. 4to. *Basle*, 1834.

——. Ueber die paläontologische Bestimmung der Formationen. (Tract.) 8vo. *Basle*, 1866.

——. Ueber die Grenze zwischen Jura- und Kreideformation. (Tract.) 8vo. *Basle*?, 1868.

Merryweather (George). A lecture on Gold and Iron and Iron-ore, with especial reference to the Ironstone of the Vale of the Esk, of Staithes, and Cleveland. (Tract.) 12mo. *London*, 1853.

Mersey Channels. Report from the Committee appointed by the British Association . . . to investigate and report upon the effects produced upon the Channels of the Mersey by the alterations which . . . have been made in its Banks. (Tract.) 8vo. *London*, 1856.

Metals, Mines, and Minerals. A collection of scarce and valuable Treatises, upon Metals, Mines, and Minerals. [Edited by O. Payne.] In Four Parts. Parts I. and II. Concerning the Art of Metals, written originally in Spanish, by the learned Albaro Alonso Barba; translated by the Earl of Sandwich in the year 1669. Part III. Containing that invaluable piece of Mr. G. Platte's, viz. a discovery of all sorts of Mines from Gold to Coal. Part IV. Houghton's Compleat Miner. 12mo. *London*, 1738.

Metropolitan University. Remarks on the Ministerial Plan of a Central University examining Board. (Tract.) 8vo. *London*, 1836.

Meugy (A.). Historique des mines de Rive-de-Gier (Loire). 8vo. *Paris*, 1848.

Meugy (A.). Essai de géologie pratique sur la Flandre française. 8vo. *Lille, Paris,* and *Brussels,* 1852.

——. Mémoire sur la découverte du phosphate de chaux terreux en France et sur l'emploi de cet engrais dans la culture. (Tract.) 8vo. *Paris,* 1857.

——. Leçons élémentaires de géologie appliquée à l'agriculture. 2me édition. 8vo. *Paris* and *Troyes,* 1871.

Meunier (Stanislas). Cours de géologie comparée. 8vo. *Paris,* 1874.

——. Géologie des environs de Paris, ou Description des terrains et énumération des fossiles qui s'y rencontrent, etc. 2 copies. 8vo. *Paris,* 1875.

Mexico. See ZACATECAS.

Meyen (F. J. F.). Outlines of the Geography of Plants. Translated by Margaret Johnston. (Ray Society.) 8vo. *London,* 1846.

Meijer (C. J. A.). On the Lower Greensand of Godalming. (Tract.) 8vo. *London,* 1869.

——. Notes respecting Chloritic Marl and Upper Greensand. (Tract.) 8vo. *London,* 1878.

Meyer (Christian Erich Hermann von). Biographical Notice. See ZITTEL (Carl Alfred).

——. Beiträge zur Petrefactenkunde. (Tract.) 4to. *Bonn,* 1829.

——. Palaeologica: zur Geschichte der Erde und ihrer Geschöpfe. 8vo. *Frankfort,* 1832.

——. Tabelle über die Geologie zur Vereinfachung derselben, und zur naturgemässen Classification der Gesteine. (Tract.) 2 copies. 8vo. *Nuremberg,* 1833.

——. Die fossilen Zähne und Knochen und ihre Ablagerung in der Gegend von Georgensgemünd in Bäyern. (Tract.) 4to. *Frankfort,* 1834.

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——. *Isocrinus* und *Chelocrinus,* zwei neue Typen aus der Abtheilung Crinoideen. (Tract.) 4to. 1835.

——. Recherches sur les ossemens fossiles du grès bigarré de Soultz-les-Bains, Bas-Rhin. (Tract.) 4to. *Strasburg,* 1835.

——. Neue Gattungen fossiler Krebse aus Gebilden vom bunten Sandstein bis in die Kreide. (Tract.) 2 copies. 4to. *Stuttgart,* 1840.

——. Zur Fauna der Vorwelt. Fol. *Frankfort,* 1845–60.
Fossile Säugethiere, Vögel und Reptilien [1845]. Saurier des Muschelkalkes [1847–55]. Reptilien aus der Steinkohlenformation in Deutschland [1858]. Saurier aus dem Kupferschiefer der Zechsteinformation [1856]. Reptilien aus dem lithographischen Schiefer des Jura in Deutschland und Frankreich [1860].

——. *Pterodactylus* (*Rhamphorhynchus*) *Gemmingi* aus dem Kalkschiefer von Solenhofen. (Tract.) 4to. 1846.

——. Ueber die Reptilien und Säugethiere der verschiedenen Zeiten der Erde. 8vo. *Frankfort,* 1852.

——. (Ueber den Reptilien der Steinkohlenformation Deutschlands.) (Tract.) 8vo. *Berlin,* 1854.

Meyer (Christian Erich Hermann von). See BRONN (H. G.) and DUNKER (Wilhelm).

—— and **Plieninger** (Theodor). Beiträge zur Paläontologie Württembergs, enthaltend die fossilen Wirbelthierreste aus den Triasgebilden, mit besonderer Rücksicht auf die Labyrinthodonten des Keupers. (Tract.) 4to. *Stuttgart*, 1844.

Meyer (J. N.). Ueber die Fortschritte der Cultur in den Fürstenthümern Wallachei und Moldau in besonderer Beziehung auf naturwissenschaftliche Kenntnisse. (Tract.) 8vo. *Bonn*, 1835.

Meyer (Johann Rudolf) and MEYER (Hieronymus). Reise auf den Jungfrau-Gletscher und Ersteigung seines Gipfels. (Tract.) 8vo. *Aarau*, 1812.

—— ——. Reise auf die Eisgebirge des Kantons Bern und Ersteigung ihrer höchsten Gipfel im Sommer 1812. (Herausgegeben von Zschokke.) (Tract.) 2 copies. 8vo. *Aarau*, 1813.

Miall (Louis Compton). A Descriptive Guide to the Fossil Collection—Museum of the Leeds Philosophical and Literary Society. (Tract.) 8vo. *Leeds*, 1873.

——. Monograph of the Sirenoid and Crossopterygian Ganoids. (Palæontographical Society.) 4to. *London*, 1878, *etc.*

—— and **Greenwood** (F.). Studies in Comparative Anatomy. No. II. Anatomy of the Indian Elephant. 8vo. *London*, 1878.

Michel (A.). See HUNT (Thomas Sterry).

Michelin (Hardouin). Iconographie zoophytologique; description par localités et terrains des polypiers fossiles de France et pays environnants. 4to. *Paris*, 1840–47.

——. Note sur différentes espèces du genre *Vioa*. (Tract.) 8vo. *Paris*, 1846.

——. Note sur le nouveau genre *Metaporinus*, Echinide de la famille des Clypeastroïdes d'Agassiz. (Tract.) 8vo. *Paris*, 1846.

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——. Revue des espèces connues et nouvelles du genre *Mellita*, famille des Clypéastroides. (Tract.) 8vo. *Paris*, 1858.

——. Monographie des Clypéastres fossiles. 4to. *Paris*, 1861.

Michell (John). Conjectures concerning the cause, and Observations upon the Phænomena, of Earthquakes: particularly of that Great Earthquake of 1755, which proved so fatal to the City of Lisbon. (Tract.) 8vo. *London*, 1760.

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Michelotti (Giovanni). Indice ragionato di alcuni testacei di Cefalopodi fossili in Italia, nella Savoja, e nel contado di Nizza. (Tract.) 4to. *Milan*, 1840.

——. Rivista di alcune specie fossili della famiglia dei Gasteropodi. (Tract.) 4to. *Milan*, 1840.

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——. Etudes sur le Miocène inférieur de l'Italie septentrionale. 4to. *Haarlem*, 1861.

——. See Bellardi (Luigi) and Duchassaing de Fonbressin (P.).

Middendorff (Alex. Th. von). Reise in den äussersten Norden und Osten Sibiriens. 4 vols. 4to; Atlas, fol. *St. Petersburg*, 1848–51.

——. See Helmersen (Gregor von).

Middleton (John). Outlines of the Mineral Strata of Great Britain. (Tracts.) 8vo. *London*, 1812–13.

——. General view of the Agriculture of Middlesex, etc. 2nd edition. 8vo. *London*, 1813.

Mietzsch (Hermann). Geologie der Kohlenlager. 8vo. *Leipzig*, 1875.

——. See Surveys: Saxony.

Migliarini (M. A.). Osservazioni sopra i numeri che usarono gli Etrusche. (Tract.) 8vo. *Florence*, 1860.

Milano (Michele). Cenni geologici sulla provincia di Terra d'Otranto. (Tract.) 8vo. *Naples*, 1815.

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——. Cenni geologici sul tenimento di Massa Lubrense. (Tract.) 8vo. *Naples*, 1820.

Military Sciences. Aide Mémoire. Part I. Vol. II., comprising F, G, H, I, K, L, M. (Geology by J. E. Portlock.) 8vo. *London*, 1848.

Milizia (Francesco). See Bowles (William).

Millard (John). A Letter to the Rt. Hon. Thomas Spring-Rice, . . . containing a Plan for the better management of the British Museum. 8vo. *London*, 1836.

Mille (—). See Paris to Brest. Profil géologique, suivant le tracé du chemin de fer.

Miller (Henry). See Van den Broeck (Ernest).

Miller (Hugh). The Old Red Sandstone, or new walks in an old field. 3rd edition. 8vo. *London* and *Edinburgh*, 1847.

——. ——. 4th edition. 8vo. *Edinburgh* and *London*, 1850.

——. Footprints of the Creator; or the Asterolepis of Stromness. 3rd edition. 8vo. *London*, 1850.

——. Geology. A Lecture. (Tract.) 8vo. *London*, 1854.

——. The Testimony of the Rocks, or Geology in its bearings on the two Theologies, natural and revealed. Lecture III. The two Records, Mosaic and Geological, with remarks by Wm. Parker Foulke. (Tract.) 8vo. *Philadelphia*, 1854.

——. The Testimony of the Rocks; or Geology in its bearings on the two Theologies, natural and revealed. 8vo. *Edinburgh* and *London*, 1857.

Miller (Hugh). (Works: A posthumously published uniform series.) 8vo. *Edinburgh*, 1869.

My Schools and Schoolmasters. 13th edition.

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Miller (J. S.). A Natural History of the Crinoidea, or Lily-shaped animals. (2 copies.) 4to. *Bristol*, 1821.

Miller (William Allen). Experiments and Observations on some Cases of Lines in the Prismatic Spectrum produced by the passage of Light through Coloured Vapours and Gases, and from certain Coloured Flames. (Tract.) 8vo. *London*, 1845.

Miller (William Hallows). A Treatise on Crystallography. (Tract.) 8vo. *Cambridge* and *London*, 1839.

——. A Tract on Crystallography. 8vo. *Cambridge*, 1863.

——. On the Crystallographic method of Grassmann, and on its employment in the investigation of the general geometric properties of Crystals. (Tract.) 8vo. *Cambridge*, 1868.

——. See Percy (John) and Phillips (William).

Milligan (Joseph). Reports on the Coal-basins of Van Diemen's Land. (Tract.) 8vo. *Hobart Town*, 1849.

Millin (A. L.). Minéralogie Homérique, ou Essai sur les minéraux dont il est fait mention dans les poèmes d'Homère. 2e édition. 8vo. *Paris*, 1816.

Mills (D.). A report on the boundaries of the province of Ontario. 8vo. *Toronto*, 1873.

Mills (Abraham). Catalogue of *his* miscellaneous collection of books and pictures. (Tract.) 8vo. *London*, 1828.

Milne-Home (David). A Geological Survey of Berwickshire. (Tract.) 8vo. *Edinburgh*, 1837.

——. Memoir on the Mid-Lothian and East-Lothian Coal-fields. 4to. *Edinburgh* and *London*, 1839.

——. Geological Account of Roxburghshire. (Tract.) 4to. *Edinburgh*, 1843.

Milne (Joshua). Catalogue (sale) of *his* valuable and extensive library of books, comprising . . . Mathematics, Natural Philosophy, and Natural History, etc. (Tract.) 8vo. *London*, 1851.

Milne Edwards (Alphonse and Henri). See EDWARDS (A. M. and H. M.).

Milner (Thomas). Gallery of Geography. 8vo. *London*, 1864.

Miltenberg (Wilhelm Adolph). Die Höhen der Erde. 4to. *Frankfort*, 1815.

Mine Adventure. A familiar discourse or dialogue concerning the Mine Adventure. 8vo. *London*, 1700.

Mingaud (Ph.). De l'*Erinus alpinus*, Erine pourprée des Alpes de la famille des Personnées de Jussieu, histoire topographique de son habitat constaté. (Tract.) 8vo. *Paris*, 1861.

——. Coup-d'œil rapide sur les terrains du bassin de Saint-Jean-du-Gard, etc. (Tract.) 8vo. *Paris*, 1863.

——. The Arbutus; its Propagation and Culture, etc. 2nd edition. (Tract.) 8vo. *London*, 1865.

Mining. Bericht vom Bergbau. 4to. *Leipzig*, 1772.

——. Corpus Juris et Systema rerum Metallicarum, oder; Neu-verfasstes Berg-Buch, Bestehend aus allerhaud, so alten als neuern Collectaneis von Bergwercks-Sachen. Fol. *Frankfort*, 1698.

——. Edits, ordonnances, arrêts et règlemens sur le faict des mines et minières de France, etc. Jouxte la copie imprimée à Paris chez Pierre Charpentier, contre l'Horloge du Palais, au Paradis, en 1631. 8vo. *Paris*, 1764.

——. See VEITH (Heinrich), METALS, ETC., and ANON. Mining.

Minnesota: Its Progress and Capabilities. Being the second Annual Report of the Commissioners of Statistics for the years 1860 and 1861. 8vo. *Saint Paul*, 1862.

——. Statistics of Minnesota pertaining to its Agriculture, Population, Manufactures, etc., for 1869. Being the first annual report of the Assistant Secretary of State to the Governor. 8vo. *Saint Paul*, 1870.

Mirabaud (—). Système de la Nature, ou des loix du monde physique et du monde moral. 2 parts. 8vo. *London*, 1770.

Mississippi Report. See HUMPHREYS (A. A.).

Mitchell (George). See KARSTEN (Dietrich Ludwig Gustav).

Mitchell (Hugh). Notice of new Fossils from the Lower Old Red Sandstone of Scotland. (Tract.) 8vo. *London*, 1860.

Mitchell (John). On the Extraction of the Precious Metals by means of Mitchell's Amalgamating Machinery. (Tract.) 8vo. *London*, 1858.

Mitchell (*Sir* T. L.). Outlines of a System of Surveying, for geographical and military purposes. (Tract.) 8vo. *London*, 1827.

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——. Journal of an Expedition into the interior of Tropical Australia. 8vo. *London*, 1848.

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Mitchell (Walter). On the Geometrical Isomorphism of Crystals and the derivation of all other forms from those of the Cubical system. 8vo. *London*, 1867.

——. See TENNANT (James).

Möbius (K.). Die echten Perlen. (Tract.) 4to. *Hamburg*, 1858.

Moe (Jörg). Cantate ved det Kongelige Norske Frederiks Universitets Mindefest for Hans Majestæt Kong Carl den 19de November, 1872. (Tract.) 4to. *Christiania*, 1872.

Moggridge (M.). On the Section exposed in the excavation of the Swansea Docks. (Tract.) 8vo. *London*, 1856.

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Mohl (Hugo von). On the Structure of the Palm Stem. (Ray Society.) 8vo. *London*, 1849.

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Mohr (Friedrich). Geschichte der Erde. Eine Geologie auf neuer Grundlage. 8vo. *Bonn*, 1866.

——. Geschichte der Erde. Ein Lehrbuch der Geologie auf neuer Grundlage. 8vo. *Bonn*, 1875.

Mohrenstern (Gustav Schwartz von). See SCHWARTZ-VON-MOHRENSTERN (Gustav).

Mohs (Friedrich). Sammlung mineralogischer und bergmännischer Abhandlungen. Band I. (Beschreibung des Grubengebäudes Himmelsfürst). 8vo. *Vienna*, 1804.

——. Mineralien-Kabinet des Herrn Jac. Friedr. von der Null, nach einem, durchaus auf äussere Kennzeichen gegründeten Systeme geordnet, beschrieben, und . . . . als Handbuch der Oryctognosie brauchbar gemacht von F. Mohs. 3te Abtheil. 8vo. *Vienna*, 1804.

——. Versuch einer Elementar-Methode zur naturhistorischen Bestimmung und Erkennung der Fossilien. 1er Theil. (Tract.) 8vo. *Vienna*, 1812.

——. The Characters of the Classes, Orders, Genera, and Species; or the Characteristic of the Natural History System of Mineralogy. 8vo. *Edinburgh*, 1820.

——. Treatise on Mineralogy, or the Natural History of the Mineral Kingdom. Translated from the German, with considerable additions, by W. Haidinger. 3 vols. 8vo. *Edinburgh*, 1825.

Mojon (Giuseppe). Descrizione mineralogica della Liguria. (Tract.) 8vo. *Geneva*, 1805.

Mojsisovics von Mojsvár (Edmund von). Bericht über die im Sommer 1868 durch die IV. Section der k.-k. geologischen Reichsanstalt ausgeführte Untersuchung der alpinen Salzlagerstätten. (Tract.) 8vo. *Vienna*, 1869.

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Moldenhauer (Friedrich). Verzeichniss der Mineralien und geordneten Sammlungen des Mineraliencomptoir's in Heidelberg (Catalogue des Minéraux, etc.). (Tract.) 8vo. *Heidelberg*, 1825.

Moliner-Violle (F. A.). See BOURJOT (A. A.).

Moll. See SALZBURG.

Möller (Valerian von). Ueber die Trilobiten der Steinkohlenformation des Ural. (Tract.) 8vo. *Moscow*, 1867.

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Molyneux (William). Burton-on-Trent, its History, its Waters, and its Breweries. 8vo. *London* and *Burton-on-Trent*, 1869.

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Mongez (Jean André). See BERGMAN (Torbern).

Monier (E.). Reproduction de quelques substances minérales par la diffusion de liquides superposés de densité différente et pouvant donner entre eux un précipité insoluble. (Tract). 8vo. *Saint Denis*, 1880.

Monnet (Ant. Grimoald). Exposition des Mines, ou Description de la nature et de la qualité des mines, etc. 8vo. *London*, 1772.

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——. See BORN (Ignaz von).

Monnet de Lamarck (Jean P. Baptiste Antoine de). See LAMARCK (J. P. B. A. de Monnet de).

Monrad (M. J.). Det Kongelige Norske Frederiks Universitets stiftelse. (Tract.) 8vo. *Christiania*, 1861.

Monro (Henry S.). See SURVEYS: JAPAN.

Montagna (Crescenzo). Saggio di studii sul carbone fossile di Agnana. Parte prima. Geologia. (Tract.) 8vo. *Naples*, 1855.

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Monteiro (Joachim John). Angola and the River Congo. 2 vols. 8vo. *London*, 1875.

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Montpéreux (Frédéric du Bois de). See DU BOIS DE MONTPÉREUX (Frédéric).

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——. On the Middle and Upper Lias of the South-west of England. 8vo. *Taunton*, 1865–66.

——. Handbook to the Geological Collection of Charles Moore, deposited at the Royal Literary and Scientific Institution, Bath. (Tract.) 8vo. *Bath*, no date.

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Moore (Frederic). See MUSEUMS: E. I. Comp. Catalogue of the East-India Company's Museum.

Moore (J. Hamilton). The Practical Navigator and Seaman's new Daily Assistant. 8vo. *London*, 1772.

Moore (J. Scott). Pre-glacial Man and Geological Chronology. 8vo. *Dublin*, 1868.

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Moore (Thomas, jun.). On the Effects of the Earthquake which was felt in Lancashire on the 17th March, 1843. (Tract.) 8vo. *Manchester*, 1843.

Morand (J. F. C.). Die Kunst auf Steinkohlen zu bauen. (I. Theil.) 4to. *Leipzig*, 1771.

Mörch (O. A. L.). Etudes sur la famille des Vermets. (Tract.) 8vo. *Paris*, 1860.

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Morgan Expeditions. See HARTT (Ch. Fred.) and RATHBUN (Richard).

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Morlot (Charles Adolph von). Obituary Notice. See CHAVANNES (S.).

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De' crostacei e degli altri marini corpi che si truovano su' monti, Libri due. 4to. *Venice*, 1740.

Morogues (P. M. S. Bigot de). See BIGOT DE MOROGUES (P. M. S.).

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Morris (John). A Catalogue of British Fossils, comprising the Genera and Species hitherto described, &c. 2 copies. 8vo. *London*, 1843.

——. ——. 4 vols. Fol.

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Morveau (L. B. Guyton de). See Guyton de Morveau (L. B.).

Mösch (Casimar). Der südliche Aargauer Jura und seine Umgebungen. 4to. *Berne*, 1874.

——. Monographie der Pholadomyen. (Schw. paläont. Gesellschaft.) 4to. *Zurich*, *Basle*, and *Geneva*, 1875.

——. See Surveys: Switzerland.

Moseley (H. N.). See Challenger Expedition.

Moses (Frederick). Treatise on the Coal Field of South Wales, explanatory of a new theory of the position of the measures therein. 2nd edition. 8vo. *Swansea* and *London*, 1849.

Mouat (F. J.). See India.

Mouchketoff (J.). Les richesses minérales du Turkestan russe. (Tract.) 4to. *Paris*, 1878.

Mougeot (A.). See Schimper (W. P.).

Mourlon (Michel). Esquisse géologique sur le Maroc. (Tract.) 2 copies. 8vo. *Brussels*, 1870.

——. Sur l'étage dévonien des Psammites du Condroz en Condroz, &c. (Tract.) 8vo. *Brussels*, 1875–76.

——. Etudes stratigraphiques sur les dépôts miocènes supérieurs et pliocènes de Belgique. (Tract.) 8vo. *Brussels*, 1876.

——. Sur les dépôts dévoniens rapportés par Dumont à l'étage quartzo-schisteux inférieur de son système Eifelien, etc. (Tract.) 8vo. *Brussels*, 1876.

——. Géologie de la Belgique. Tome I. 8vo. *Brussels*, 1880.

——. See Dewalque (G.), Dumont (André), Nyst (N.), and Prestwich (Joseph).

Mowry (Sylvester). Arizona and Sonora: the Geography, History, and Resources of the silver region of North America. 3rd edition. 8vo. *New York*, 1864.

Moxon (Charles). An Introduction to Mineralogy: founded on the chemical composition of mineral and metallic bodies. 8vo. *London*, 1838.

——. Illustrations of the Characteristic Fossils of British Strata, to which are added explanatory notes. 4to. *London*, 1841.

Much (M.). Das vorgeschichtliche Kupferbergwerk auf dem Mitterberg bei Bischofshofen [Salzburg]. (Tract.) 4to. *Vienna*, 1879.

Mudge (B. F.). Notes on the Tertiary and Cretaceous Periods of Kansas. (Tract.) 8vo. *Washington*, 1876.

Mudge (William). See Williams (Edward).

Mudie (Robert). Popular Guide to the Observation of Nature. (Tract.) 8vo. *London*, 1832.

Müller (Albrecht). Ueber die Kupferminen am obern See im Staate Michigan, Nordamerika. (Tract.) 8vo. *Basle*, 1856.

——. Ein Fund vorgeschichtlicher Steingeräthe bei Basel. (Tract.) 4to. *Basle*, 1875.

——. See SURVEYS: SWITZERLAND.

Müller (Carl Hermann). See SAXONY. Beiträge zur geognostischen Kenntniss des Erzgebirges.

Müller (Ferdinand von). Fragmenta phytographiæ Australiæ. 3 vols. 8vo. *Melbourne*, 1858–63.

——. The Plants indigenous to the colony of Victoria. Vol. I. 4to. *Melbourne, London, etc.*, 1860–62.

——. Observations on new Vegetable Fossils of the Auriferous Drifts. (Tracts.) 4to. *Melbourne*, 1878.

——. See EXHIBITION of 1862; and SURVEYS, VICTORIA.

Müller (Frantz Henrich). Om provemaaden af jernholdige fossilarter. (Tract.) Sm. 4to. No date.

Müller (Fritz). Facts and Arguments for Darwin, with additions by the Author. Translated from the German by W. S. Dallas. 8vo. *London*, 1869.

Müller (Hermann) and **Förster** (Bernhard Rudolph). Gangstudien aus der Freiberger Revier. 8vo. *Freiberg*, 1869.

——. See SAXONY. Beiträge zur geognostischen Kenntniss des Erzgebirges.

——. See SURVEYS: SAXONY.

Müller (Johann). Ueber den Bau des *Pentacrinus caput-Medusæ*. 4to. *Berlin*, 1843.

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——. ——. Fol. *Berlin*, 1846.

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——. Ueber neue Crinoiden aus dem Eifeler Kalk. (Tract.) 8vo. *Berlin*, 1856.

Müller (John Henry). See PATON (John).

Müller (Joseph). Monographie der Petrefacten der Aachener Kreideformation. I. Abtheil. 4to. *Bonn*, 1847.

——. Ein neues Vererzungs-Mittel der Petrefacten. (Tract.) 8vo. *Bonn*, 1848.

Müller (Marcus Joseph). Einleitende Worte . . . gesprochen in der öffentlichen Sitzung der k. bayerischen Akademie der Wissenschaften am 28. November 1859. 4to. *Munich*, 1859.

Munch (P. A.). Chronica Regum Manniæ et Insularum. (Tract.) 8vo. *Christiania*, 1860.

——. See KEILHAU (B. M.).

Munier-Chalmas (—). See HÉBERT (Ed.).

Münster (E. B.). See HELLAND (Amund).

Münster (Georg von). Beiträge zur Petrefactenkunde. 7 Hefte. 4to. *Bayreuth*, 1839–46.

Münster (Georg von). Beiträge zur Geognosie und Petrefactenkunde des sudöstlichen Tirol's, von Dr. Wissmann und Graf Münster unter Mitwirkung des Dr. Braun. (Tract.) (Heft 4 of preceding work.) 4to. *Bayreuth*, 1841

Münzing (Ch. F.). Beschreibung der königl. sächsischen Saline Dürrenberg. (Tract.) 8vo. *Freiberg*, 1808.

Murchison (Charles). See FALCONER (Hugh).

Murchison (*Sir* Roderick Impey). Obituary Notice. See HELMERSEN (G. von).—Biography. See GEIKIE (A.).

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——. The Inaugural Address delivered at the first General Meeting of the Dudley and Midland Geological Society, January 1842. (Tract.) 8vo. *London*, 1842.

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Murchison (*Sir* Roderick Impey). Address to the Geological Section of the British Association, Birmingham, 1865. (Tract.) 8vo. *London*, 1865.

——. See Lyell (Sir Charles), Sedgwick (Adam), and Reports, Colonial. New South Wales.

—— and Geikie (Archibald). First Sketch of a new Geological Map of Scotland, with explanatory notes. 8vo. *Edinburgh* and *London*, 1861.

—— and **Strickland** (H. E.). On the Upper Formations of the New Red Sandstone System in Gloucestershire, Worcestershire, and Warwickshire, showing that the red or saliferous marls, including a peculiar zone of sandstone, represent the "Keuper" or "*Marnes irisées*," etc. (Tract.) 4to. *London*, 1840.

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——, ——, and **Keyserling** (A. von). On the Geological Structure of the central and southern regions of Russia in Europe, and of the Ural Mountains. (Tracts.) 8vo. *London*, 1842.

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Murr (Christoph Gottlieb von). See Torrubia (Joseph).

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Murray (Andrew). The Geographical Distribution of Mammals. 4to. *London*, 1866.

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Murray (John). A comparative view of the Huttonian and Neptunian Systems of Geology; in answer to the Illustrations of the Huttonian Theory of the Earth, by Professor Playfair. 8vo. *Edinburgh*, 1802.

——. Explication . . . . sur la théorie de la terre par Hutton, et examen comparatif des systèmes géologiques fondés sur le feu et sur l'eau, par M. Murray; en réponse à l'explication de Playfair. Traduits de l'anglais, et accompagnés de notes et de planches, par C. A. Basset. 8vo. *Paris*, 1815.

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Buenos Ayres. See Serials, etc.: Buenos Ayres.

Calcutta Museum. See Surveys: India.

Cambridge Philosophical Society. Catalogue of the collection of British Quadrupeds and Birds in the Museum etc. (Tract.) 8vo. *Cambridge*, 1836.

Cambridge Woodwardian Museum. See Salter (J. W.), Sedgwick (A.), McCoy (F.), and Seeley (H. G.).

Dublin. Museum of Irish Industry. Inventory Catalogue of Irish, British, and Foreign Rocks. 8vo. *Dublin*, 1862.

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——. ——. Catalogue of the Minerals in the Museum. Part I. Systematic Collection. 8vo. *Dublin*, 1807.

See also Stokes, W.

East-India Company. Catalogue of the Mammalia in the Museum. 8vo. *London*, 1851.

——. A Catalogue of the Birds in the Museum. By T. Horsfield and F. Moore. Vols. I.–II. 8vo. *London*, 1856–58.

——. A Catalogue of the Lepidopterous Insects in the Museum, by Thomas Horsfield and F. Moore. Vol. I. 8vo. *London*, 1857.

Haarlem. Musée Teyler. Catalogue systématique de la collection paléontologique, par T. C. Winckler. (With 2 supplements.) 8vo. *Haarlem*, 1863.

And see Winckler (T. C.).

Harvard College. Illustrated Catalogue of the Museum of Comparative Zoology at Harvard. No. I. Ophiuridæ and Astrophytidæ. By Theodore Lyman. 8vo. *Cambridge*, 1865.

——. Museum of Comparative Zoology. Annual Reports of the Trustees, 1861–63, 1865–68, 1873, etc. 8vo. *Boston, Mass.*, 1862 *etc.*

——. Bulletin, vol. i.; vol. ii. No. 2–5; vol. iii. No. 1, 3–16, and vol. iv. etc. 8vo. *Cambridge, Mass.*, 1860 *etc.*

——. Memoirs. Vols. i. etc. 4to. *Boston* and *Cambridge*, 1864 *etc.*

Leyden. Muséum d'Histoire Naturelle des Pays-Bas. Revue méthodique et critique des collections déposées dans cet établissement. Livr. 8. Anseres, par H. Schlegel. 8vo. *Leyden*, 1866.

London. King's College. A descriptive Catalogue of the Minerals in the Museum, by W. H. Bristow. (Tract.) 8vo. *London*, 1842.

——. Museum of Practical Geology, etc. See Surveys: England and Wales and Great Britain.

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Museums. Catalogues and Descriptions of the contents of.

London. Royal College of Surgeons. Catalogue of the Specimens illustrating the Osteology and Dentition of Vertebrated Animals, recent and extinct, contained in the Museum. By W. H. Flower. Part I. Man: *Homo sapiens*. Linn. 8vo. *London*, 1879.

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——. ——. Catalogue of the Contents of the Museum. 4to. *London*, 1860.

——. Royal Institution. Catalogue of the Geological Collection. See Brande (W. T.).

Melbourne. Descriptive Catalogue of the mining, metallurgical, geological, and agricultural museums in the National Museum, Melbourne. 4to. *Melbourne*.

Nagpur Museum. Catalogue for 1876. 8vo. *Nagpur*, 1876.

Newport, Isle-of-Wight Institution. Catalogue of the Museum. 8vo. *Newport*, 1848.

New-York State Cabinet of Natural History. Annual Reports . . . by the Regents of the University of the State of New York. Nos. 8 and 12 etc. 8vo. *Albany*, 1855 *etc.*

New Zealand. See Surveys: New Zealand.

See also Lee (J. E.).

Paris. Muséum d'Histoire Naturelle. Catalogue de la collection entomologique. Tome I. Classe des Insectes. Ordre des Coléoptères. 8vo. *Paris*, 1850.

——. ——. Catalogue méthodique de la collection des Mammifères, de la collection des Oiseaux et des collections annexes. Première partie. Mammifères, par J. Geoffroy Saint-Hilaire, F. Prévost et Pucheran. 8vo. *Paris*, 1851.

——. ——. Catalogue méthodique de la collection des Reptiles, par C. et A. Duméril. 8vo. *Paris*, 1851.

Rome. Collegio Nazareno. Gabinetto mineralogico . . . descritto secondo i caratteri esterni e distribuito a norma de' principj constitutivi (G. Calandrelli). 2 vols. 8vo. *Rome*, 1791–92.

St. Petersburg. New systematic description of the Collection of Minerals belonging to the Economical Museum at St. Petersburg. By B. M. Severzin and C. Etter. 8vo. *St. Petersburg*, 1851.

United Service Museum. Catalogue of the Minerals. (Tract.) 8vo. *London*, 1837.

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United Service Museum. Sixth Annual Report of the Council, 1837. (Tract.) 8vo. *London*, 1837.

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——. Researches on the Development of the Teeth. 8vo. *London*, 1839.

Nathorst (A. G.). Beiträge zur fossilen Flora Schwedens. 4to. *Stuttgart*, 1878.

——. See SURVEYS: SWEDEN.

Naumann (Carl Friedrich). De granite juxta calcem transitoriam posito. (Tract.) 4to. *Jena*, 1823.

——. Beyträge zur Kenntniss Norwegens. 2 vols. 8vo. *Leipzig*, 1824.

——. Erläuterungen zu der geognostischen Charte des Königreichs Sachsen und der angränzen den Länderabtheilungen. 8vo. *Dresden* and *Leipzig*, 1836.

——. Anfangsgründe der Krystallographie. 8vo. *Dresden* and *Leipzig*, 1841.

——. Lehrbuch der Geognosie. Band I. 8vo. *Leipzig*, 1849.

——. ——. 2nd edition. 3 vols. (2 copies of Vol. III.) 8vo. *Leipzig*, 1858–72.

——. Elemente der Mineralogie. 2te Auflage. 8vo. *Leipzig*, 1850.

——. ——. 8te Auflage. 2 copies. 8vo. *Leipzig*, 1871.

——. ——, zehnte, gänzlich neubearbeitete Auflage von Ferdinand Zirkel. 8vo. *Leipzig*, 1877.

——. Ueber die Fortschritte der Geognosie im Gebiete der Sedimentär-formationen seit Werner's Tode. (Tract.) 8vo. *Freiburg*, 1851.

——. Ueber den Granit des Kreuzberges bei Carlsbad. (Tract.) 8vo. *Stuttgart*, 1866.

——. Vorläufige Notiz zu der geognostischen Karte des erzgebirgischen Bassins. (Tract.) 8vo. *Leipzig*, 1866.

——. Erläuterungen zu der geognostischen Karte der Umgegend von Hainichen im Königreiche Sachsen. 8vo. *Leipzig*, 1871.

——. Ueber die Hohburger Porphyrberge in Sachsen. (Tract.) 8vo. *Stuttgart*, 1874.

——. See KEILHAU (B. M.) and MURCHISON (*Sir* Roderick Impey).

Naumann (Edmund). Die Vulcaninsel Ooshima und ihre jüngste Eruption. (Tract.) 8vo. *Berlin*, 1877.

Necker (Louis Albert). Obituary Notice. See SAUSSURE (H. de).

——. Mémoire sur la vallée de Valorsine. (Tract.) 4to. *Geneva*, 1828.

——. Mémoire sur le mont Somma. (Tract.) 4to. *Geneva*, 1828.

Necker (Louis Albert). Note sur un échantillon remarquable de la substance nommée par Haüy cuivre hydro-siliceux et par Léonhard Kiesel-Malachit. (Tract.) 4to. *Geneva*, 1828.

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——. Sur quelques rapports entre la direction générale de la stratification et celle des lignes d'égale intensité magnétique dans l'hémisphère boréal. (Tract.) 8vo. *Geneva*, 1830.

——. Note sur la gismondine de Carpi, et sur un nouveau minéral des environs de Rome. (Tract.) 8vo. *Geneva*, 1831.

——. On Mineralogy considered as a branch of Natural History, etc. (Tract.) 8vo. *Edinburgh*, 1832.

——. Le Règne Animal, ramené aux méthodes de l'histoire naturelle. 2 vols. 8vo. *Paris*, 1835.

——. Etudes géologiques dans les Alpes. Tom. I. 8vo. *Paris*, 1841.

——. On a probable Cause of certain Earthquakes. (Tract.) 8vo. *London*, 1856.

Needham (John Turbervil). Extract of a Letter from *Paris* concerning some new Electrical Experiments made lately there. (Tract.) 4to. *London*, 1746.

Nees von Esenbeck (Christ. Gottfr.). Catalogus bibliothecæ.—Breslauer Bücher-Auction. (Tract.) 8vo. *Breslau*, 1852.

Nehring (Alfred). Fossile Lemminge und Arvicolen aus dem Diluviallehm von Thiede bei Wolfenbüttel. (Tract.) 8vo. *Leipzig*, 1875.

——. Beiträge zur Kenntniss der Diluvialfauna. (Tract.) 8vo. *Leipzig*, 1876.

——. Die geologischen Anschauungen des Philosophen Seneca. (Tract.) 4to. *Wolfenbüttel*, 1876.

——. Die quaternären Faunen von Thiede und Westeregeln nebst Spuren des vorgeschichtlichen Menschen. (Tract.) 4to. *Brunswick*, 1878.

——. On the Quaternary Deposits at Westeregeln and Thiede, near Brunswick; in illustration of the Subaërial Origin of Loess. (Tract.) 8vo. *London*, 1879.

Neill (Patrick). Proofs that the Beaver was formerly a native of Scotland, including an account of some Fossil Remains of that Animal found in Perthshire and Berwickshire. (Tract.) 8vo. *Edinburgh*, 1819.

——. See Aubuisson (J. F. d').

Neilreich (August). Nachträge zur Flora von Nieder-Oesterreich. [Beilage von der k.-k. zool.-botan. Gesellschaft in Wien.] 8vo. *Vienna*, 1866.

——. Diagnosen der in Ungarn und Slavonien bisher beobachteten Gefässpflanzen, welche in Koch's Synopsis nicht enthalten sind. [Beilage von der k.-k. zool.-botan. Gesellschaft in Wien.] 8vo. *Vienna*, 1867.

——. Die Vegetationsverhältnisse von Croatien. [Beilage von der k.-k. zool.-botan. Gesellschaft in Wien.] 8vo. *Vienna*, 1868.

Neilson (William). An Introduction to the Irish Language. 8vo. *Dublin*, 1808.

Nelson (Edward T.). On the Molluscan Fauna of the later Tertiary of Peru. (Tract.) 8vo. *New Haven*, 1870.

Nelson (Richard J.). Geological Survey of the Island of Jersey. (Tract.) 8vo. *London*, 1829.

—— and **Duncan** (Peter Martin). On some points in the Histology of certain Species of Corallinaceæ. (Tract.) 4to. *London*, 1876.

Nendtwich (Károly). Chemisch-technische Untersuchung der vorzüglicheren Steinkohlen-Lager Ungarns. (Tract.) 8vo. *Vienna*, 1851.

——. A temesi bánság földje gazdasági és müipari tekintetben. (Tract.) 4to. *Pesth*, 1863.

Nesbit (J. C.). The History and Properties of the different varieties of natural Guanos. (Tract.) 8vo. *London*, 1860.

Nesti (Filippo). Descrizione osteologica dell' Ippopotamo maggiore fossile dei terreni mobili del val d'Arno superiore in Toscana. (Tract.) 4to. *Modena*, 1820.

Netto (Ladisláu). Investigações historicas e scientificas sobre o Museo imperial e nacional de Rio de Janeiro. 8vo. *Rio de Janeiro*, 1870.

——. Apontamentos relativos á botanica applicada no Brazil. (Tract.) 8vo. *Rio de Janeiro*, 1871.

Neumayer (George). See Exhibition of 1862, and Melbourne, Meteorological Observatory.

Neumayr (M.). Ueber unvermittelt auftretende Cephalopodentypen im Jura Mittel-Europa's. (Tract.) 8vo. *Vienna*, 1878.

——. Zur Kenntniss der Fauna des untersten Lias in den Nordalpen. (Tract.) 4to. *Vienna*, 1879.

Nevill (G.) and **Nevill** (H.). Descriptions of new Mollusca from the Eastern Regions. (Tract.) 8vo. *Calcutta*, 1871.

Nevin (N.). Letter [to the Royal Dublin Society on their Botanic Garden]. (Tract.) 8vo. *Dublin*, 1835.

Newberry (J. S.). Description of several new genera and species of Fossil Fishes from the Carboniferous strata of Ohio. (Tract.) 2 copies. 8vo. *Philadelphia*, 1856.

——. Fossil Fishes from the Devonian Rocks of Ohio. (Tract.) 8vo. *New Haven*, 1857.

——. The Rock Oils of Ohio. (Tract.) 8vo. *Columbus*, 1859.

——. Description of Fossil Plants from the Chinese Coal-bearing Rocks. (Tract.) 4to. *Philadelphia*, 1866.

——. Modern Scientific Investigation: its Methods and Tendencies. An Address delivered before the American Association . . . 1867. (Tract.) 2 copies. 8vo. *Salem, Mass.*, 1867.

——. Notes on the Later Extinct Floras of North America, with descriptions of some New Species of Fossil Plants from the Cretaceous and Tertiary Strata. (Tract.) 8vo. *New York*, 1868.

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——. Circles of Deposition in American Sedimentary Rocks. (Tract.) 8vo. *Salem, Mass.*, 1874.

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——. The Structure and Relations of *Dinichthys*, with descriptions of some other new Fossil Fishes. 8vo. *Columbus*, 1875.
——. The Causes of the Cold of the Ice Period. (Tract.) 8vo. *New York*, 1876.
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New College (London). Introductory Lectures. 8vo. *London*, 1851.
Newfoundland. Table showing the Mean Temperature, as also the Mean Height of the Barometer, in each Month in the 3½ years ending 30th June, 1837, etc. (Tract.) Fol. *St. John's*, 1837.
Newman (Edward). A Paper on the Nomenclature of the parts of the Head of Insects. 8vo. *London*, 1834.
——. History of British Ferns. 8vo. *London*, 1840.
Newmarch (C. H.). See Buckman (James).
Newport (George). See British Museum.
New South Wales. Coal Fields. Reports from Examiner for 1869 and 1872–1874; some in duplicate. (Tracts.) 4to. *Sydney*, 1873–74.
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——. Its Agricultural, Pastoral, and Mining capabilities. (Tract.) 8vo. *London*, 1862.
——. Tin-bearing Country, District of Inverell. Report by T. C. Wilkinson, enclosing Rev. W. B. Clarke's Report on Geological Surveys, 7 May, 1853. (Tract.) 4to. *Sydney*, 1873.

New South Wales. Mineral Map and General Statistics of New South Wales, Australia. (Tract.) 2 copies. 8vo. *Sydney*, 1876.

——. Its Progress and Resources. (Tract.) 8vo. *Sydney*, 1876.

——. Results of Meteorological Observations . . . during 1873, under the direction of H. C. Russell. (Tract.) 8vo. *Sydney*, 1875.

——. See EXHIBITION OF 1862.

Newton (E. T.). The Chimæroid Fishes of the British Cretaceous Rocks. [Memoirs of the Geological Survey of the United Kingdom : Monograph IV.] 4to. *London*, 1878.

Newton (Henry). See SURVEYS : OHIO.

Newton (T. W.). See SURVEYS : GREAT BRITAIN. Museum of Practical Geology.

New York. A Gazetteer of the State of New York, comprising its Topography, Geology, Mineralogical Resources, etc. Imperfect. (Tract.) 8vo. *Albany*, 1842.

——. Board of Agriculture. Memoirs, Vols. I. and III. 8vo. *Albany*, 1823–26.

——. Documents relative to the Colonial History of the State of New York : procured in Holland, England, and France, by John Romeyn Brodhead. Edited by E. B. O'Callaghan. Vols. I., III.–VII., and IX. 4to. *Albany*, 1855–56.

——. Natural History of New York :—

Agriculture. By Ebenezer Emmons. 5 vols. 4to. *Albany*, 1846.

Botany. By J. Torrey. 2 vols. 4to. *Albany*, 1843.

Geology. By E. Emmons, J. Hall, W. W. Mather, and L. Vanuxem. 4 vols. (Hall's volume in duplicate). 4to. *Albany*, 1842–43.

Mineralogy. By Lewis C. Beck. 4to. *Albany*, 1842.

Palæontology. By J. Hall. Vols. I.–IV. & V. Pt. 2. 7 vols. 4to. *Albany*, 1847–79.

——. ——. Vols. I.–IV. 5 vols. 4to. *Albany*, 1847–67.

Zoology. By J. E. De Kay. 5 vols. 4to. *Albany*, 1842–43.

Nibby (Antonio). Saggio di osservazioni critiche, geografiche, antiquarie sopra Pausania. (Tract.) 8vo. *Rome*, 1817.

——. Del Foro Romano, della Via Sacra, dell' Anfiteatro Flavio e de' luoghi adiacenti. 8vo. *Rome*, 1819.

Niccolini (Antonio). Tavola metrica-cronologica delle varie altezze tracciate dalla superficie del mare fra la costa di Amalfi ed il promontorio di Gaeta nel corso di diciannove secoli. (Tract.) 4to. *Naples*, 1838.

Nicholson (*Sir* Charles). The Australian Colonies ; their condition, resources, and prospects. (Tract.) 2 copies. 8vo. *London*, 1863.

Nicholson (Henry Alleyne). An essay on the Geology of Cumberland and Westmoreland. 2 copies. 8vo. *London* and *Manchester*, 1868.

——. Monograph of the British Graptolitidæ. Part I. (Tract.) 8vo. *Edinburgh* and *London*, 1872.

——. Reports upon the Palæontology of the Province of Ontario. 2 copies. 8vo. *Toronto*, 1874.

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Nicholson (Henry Alleyne). A Manual of Zoology for the use of Students. 5th edition. 8vo. *Edinburgh* and *London*, 1878.

——. A Manual of Palæontology for the use of Students. 8vo. *Edinburgh* and *London*, 1872.

——. ——. 2nd edition. 2 vols. 8vo. *London* and *Edinburgh*, 1879.

——. On the Structure and Affinities of the "Tabulate Corals" of the Palæozoic Period, with critical descriptions of illustrative species. 8vo. *Edinburgh* and *London*, 1879.

—— and **Etheridge** (Robert, jun.). A Monograph of the Silurian Fossils of the Girvan District in Ayrshire, with special reference to those contained in the "Gray Collection." Fasc. 1, 2 (Fasc. 1 in duplicate). 8vo. *Edinburgh* and *London*, 1878–80.

Nicholson (William). See SERIALS, ETC.: LONDON. Journal of Natural Philosophy, etc.

Nicol (James). On the Geology of Peeblesshire. 8vo. *Edinburgh*, 1843.

——. Guide to the Geology of Scotland. 8vo. *Edinburgh*, 1844.

——. On the Geology of Roxburghshire. 8vo. *Edinburgh*, 1847.

——. On the Geology of the Silurian Rocks in the Valley of the Tweed. (Tract.) 8vo. *London*, 1848.

——. Manual of Mineralogy: or the Natural History of the Mineral Kingdom. 8vo. *Edinburgh* and *London*, 1849.

——. On the Study of Natural History as a branch of General Education: an inaugural Lecture at Marischal College. (Tract.) 2 copies. 8vo. *Edinburgh*, 1853.

——. Notice of the Silurian System of Central Bohemia, by Joachim Barrande. (Tract.) 8vo. *Edinburgh*, 1854.

——. Elements of Mineralogy; containing a general introduction to the science, with descriptions of the species. 8vo. *Edinburgh*, 1858.

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——. On the Structure of the North-western Highlands, and the relations of the Gneiss, Red Sandstone, and Quartzite of Sutherland and Ross-shire. (Tract.) 8vo. *London*, 1861.

——. The Geology and Scenery of the North of Scotland. 8vo. *Edinburgh*, 1866.

Nicolet (A. C.). Essai sur la constitution géologique de la vallée de la Chaux-de-Fonds. (Tract.) 4to. *Neuchatel*, 1839.

Nies (Friedrich). Beiträge zur Kenntniss des Keupers im Steigerwald. 8vo. *Würzburg*, 1868.

Nigri (Gaetano) and **Spreafico** (Emilio). Saggio sulla geologia dei dintorni di Varese e di Lugano. (Tract.) 4to. *Milan*, 1869.

Nilsson (S.). Petrificata Suecana formationis Cretaceæ descripta et iconibus illustrata. Fol. *Lund*, 1827.

Nimmo (Alexander). On the application of the Science of Geology to the purposes of Practical Navigation. (Tract.) 2 copies. 8vo. *Dublin*, 1825.

Nisser (Pedro). On the Geological Distribution of Gold, with special reference to some Auriferous Rocks in South America. (Tract.) 8vo. *Melbourne*, 1859.

——. On the Elementary Substances originating and promoting civilization throughout the world. 8vo. *Melbourne*, 1860.

Nitzsch (C. L.). Pterylography. Translated from the German. Edited by P. L. Sclater. (Ray Society.) 4to. *London*, 1867.

Noble (Daniel). The Brain and its Physiology: a critical disquisition on the methods of determining the relations subsisting between the structure and functions of the Encephalon. 8vo. *London*, 1846.

Nodot (L.). Description d'un nouveau genre d'Edenté fossile renfermant plusieurs espèces voisines du *Glyptodon*. Atlas, 4to. *Dijon*, 1856.

Nöggerath (Johann Jakob). Mineralogische Studien über die Gebirge am Niederrhein. 8vo. *Frankfort*, 1808.

——. Ueber aufrecht im Gebirgsgestein eingeschlossene fossile Baumstämme und andere Vegetabilien. (Tract.) 8vo. *Bonn*, 1819.

——. Das Gebirge in Rheinland-Westphalen, nach mineralogischem und chemischem Bezuge. 4 vols. 8vo. *Bonn*, 1822–26.

——. Das Erdbeben vom 23. Februar 1828 im Königreiche der Niederlande, etc. (Tract.) 8vo. *Halle*, 1828.

——. Das Erdbeben vom 29. Juli 1846 im Rheingebiet und den benachbarten Ländern, etc. (Tract.) 4to. *Bonn*, 1847.

——. See Burkart (Joseph) and Thomae (Carl).

—— and **Burkart** (Joseph). Der Bau der Erdrinde nach dem heutigen Standpunkte der Geognosie. Fol. *Bonn*, 1838.

Nordenskiöld (Adolph Eric). Geografisk och geognostisk beskrifning öfver nordöstra delarne af Spetsbergen och Hinlopen Strait. (Tract.) 4to. *Stockholm*, 1863.

——. Sketch of the Geology of Spitzbergen. 8vo. *Stockholm*, 1867.

——. See Igelström (L. I.).

Nordenskiöld (Nils). Bidrag till närmare kännedom af Finlands mineralier och geognosie. 1sta häft. 8vo. *Stockholm*, 1820.

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Nordmann (Alexander von). Ueber die Entdeckung reichhaltiger Lagerstätten von fossilen Knochen in Süd-Russland. [See Fischer de Waldheim (Gotthelf): Jubilaeum.] Fol. *Moscow*, 1847.

——. Paläontologie Südrusslands. 4to; Atlas, fol. *Helsingfors* and *Heidelberg*, 1858–60.

Norman (J. M.). Quelques observations de morphologie végétale faites au jardin botanique de Christiania. (Tract.) 4to. *Christiania*, 1857.

Northampton (Marquis of). Address read at the general meeting of the Royal Society, June 1848. (Tract.) 8vo. *London*, 1848.

Northcote (A. Beauchamp). On the Brine-springs of Worcestershire. (Tract.) 8vo. *London*, 1855.

Norton (Henry). The Forest Bed of East Norfolk. (Tract.) 8vo. *Norwich*, 1877.

Norton's Tube Well. [Advertisement and Testimonials, &c.] (Tract.) 8vo. *London*, 1867.

Nosban (—). Manuel du menuisier en meubles et en bâtimens, suivi de l'art de l'ébéniste. 12mo. *Paris*, 1827.

Nöschel (A.). Bemerkungen über die naturhistorischen, insbesondere die geognostisch-hydrographischen Verhältnisse der Steppe zwischen den Flüssen Or und Turgai, Kumak und Syr-Darja; mit einem Vorwort und Bemerkungen von G. von Helmersen. (Tract.) 8vo. *St. Petersburg*, 1854.

Nose (Carl Wilhelm). Orographische Briefe über das Siebengebirge, und die benachbarten zum Theil vulkanischen Gegenden beyder Ufer des Nieder-Rheins. 2 vols. 4to. *Frankfort*, 1789–90.

——. Orographische Briefe über das sauerländische Gebirge in Westphalen. Nebst literarischen Nachträgen und Registern zu den niederrheinischen und westphälischen Reisen. 4to. *Frankfort*, 1791.

——. Sammlung einiger Schriften über vulkanische Gegenstände und den Basalt, etc. 8vo. *Frankfort*, 1795.

Nötling (F.). Ueber das Vorkommen von Riesenkesseln im Muschelkalk von Rüdersdorf. (Tract.) 8vo. *Berlin*, 1879.

Nott (J. C.) and **Gliddon** (George R.). Types of Mankind; illustrated by selections from the inedited papers of Samuel George Morton, and by additional contributions from L. Agassiz, W. Usher, and H. S. Patterson. 8th edition. 8vo. *Philadelphia* and *London*, 1860.

Noulet (J. B.). Du terrain éocène supérieur considéré comme l'un des étages constitutifs des Pyrénées. (Tract.) 2 copies. 4to. *Paris*, 1858.

Novara Expedition. Reise der österreichischen Fregatte Novara um die Erde in den Jahren 1857, 1858, 1859, unter den Befehlen des Commodore B. von Wüllerstorf-Urbair. Geologischer Theil. 4to. *Vienna*, 1866.

Band I. Abtheil. 1. Beiträge zur Geologie der Provinzen Auckland und Nelson, von Dr. F. V. Hochstetter.

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Nunningh (Jodocus Hermann). Sepulcretum Westphalico-Mimigardico gentile. Editio recens ossilegio historico-physico, ut et indice rerum locupletata. 4to. *Frankfort* and *Leipzig*, 1714.

Nuttall (Dr.). Catalogue of his choice and valuable Collection of Minerals [from North America]. (Tract.) 8vo. *London*, 1860.

Nyst (Pierre Henri). Recherches sur les coquilles fossiles de la province d'Anvers. (Tract.) 8vo. *Brussels*, 1835.

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——. Notice sur une coquille du genre Cyrène, découverte dans les extractions du puit artésien d'Ostende, à la profondeur de 26m,30 à 31m,40. (Tract.) 2 copies. 8vo. *Antwerp*, 1859.

——. Notice de M. Scohy sur une découverte d'ossements fossiles. (Tract.) 8vo. *Brussels*, 1860.

——. Descriptions succinctes de dix espèces nouvelles de coquilles fossiles du crag noir des environs d'Anvers, suivis d'une note sur un gisement à échinodermes, bryozoaires, et foraminifères. (Tract.) 8vo. *Brussels*, 1861.

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——. Sur les animaux inférieurs fossiles de la province d'Anvers. (Tract.) 8vo. *Brussels*, 1869.

——. Tableau synoptique et synonymique des espèces vivantes et fossiles du genre *Scalaria*, etc. (Tract.) 8vo. *Brussels*, 1871.

——. Catalogue des ouvrages de Conchyliologie, etc., qui se trouvent dans les bibliothèques publiques et particulières de Belgique. (Tract.) 4to. *Brussels*.

——. See Dewael (Norbert Charles), Ramdonck (— van), and Thielens (Armand).

—— and **Galeotti** (H.). Description de quelques fossiles du calcaire jurassique de Tehuacan, au Mexique. (Tract.) 2 copies. 8vo. *Brussels*, 1840.

Nyst (Pierre Henri) and **Le Hon** (H.). Descriptions succinctes de quelques nouvelles espèces animales et végétales fossiles des terrains tertiaires éocènes des environs de Bruxelles. (Tract.)
8vo. *Brussels*, 1863.

—— and **Mourlon** (M.). Note sur le gîte fossilifère d'Aeltre (Flandre orientale). (Tract.) 2 copies. 8vo. *Brussels*, 1872.

Nystrom (Juan Guillermo). Informe al supremo gobierno del Peru, sobre una espedicion al interior de la República. (Tract.)
8vo. *Lima*, 1868.

O.

O'Callaghan (E. B.). See New York.

Ochsenius (Carl). Die Bildung der Steinsalz-Lager und ihrer Mutterlaugensalze der Flötze von Douglasshall in der Engeln'schen Mulde. 2 copies. 8vo. *Halle*, 1877.

Odeleben (E. G. von). Beiträge zur Kenntniss von Italien. 2 vols.
8vo. *Freiberg*, 1819–20.

Odernheimer (Fr.). Das Festland Australien. (Tract.)
8vo. *Wiesbaden*, 1861.

Oeynhausen (Karl von). Versuch einer geognostischen Beschreibung von Oberschlesien. 8vo. *Essen*, 1822.

——. Erläuterungen zu der geognostisch-orographischen Karte der Umgebung des Laacher-Sees. (Tract.) 4to. *Berlin*, 1847.

—— and **Dechen** (Heinrich von). Zusammenstellung der geognostischen Beobachtungen über das Schiefergebirge in den Niederlanden und am Niederrheine. (Tract.) 8vo. *Stuttgart*, 1825.

—— ——. Bemerkungen über den Steinkohlenbergbau in den Niederlanden und in dem angränzenden Theil des nördlichen Frankreichs. (Tract.) 8vo. *Berlin*, 1826.

—— ——. Ueber den Steinkohlenbergbau in England, gesammelt auf einer Reise in den Jahren 1826 und 1827. 8vo. *Berlin*, 1833.

——, ——, and **La Roche** (H. von). Geognostische Umrisse der Rheinländer zwischen Basel und Mainz mit besonderer Rücksicht auf das Vorkommen des Steinsalzes. 2 vols. 8vo. *Essen*, 1825.

Ogilby (William). Observations on the Structure and Relations of the presumed Marsupial Remains from the Stonesfield Oolite. (Tract.)
8vo. *London*, 1838.

Ogilvie (George). The Master-Builder's Plan, or the principles of organic architecture as indicated in the typical forms of animals.
8vo. *London*, 1858.

Ohain (Karl Eugen Pabst von). See Werner (A. G.).

Ohio. Board of Agriculture. Eleventh Annual Report, for the year 1856. 8vo. *Columbus*, 1857.

——. See Newberry (J. S.) and Surveys: Ohio.

Ohm (Georg Simon). Biographical Notice. See Lamont (Dr.).

Oken (Lorenz). Elements of Physiophilosophy. Translated from the German by Alfred Tulk. (Ray Society.) 8vo. *London*, 1847.

Oldham (James). See Paton (John).

Oldham (Thomas). Address to the Geological Society of Dublin, delivered at the Anniversary Meeting, February 20th, 1850. (Tract.)
8vo. *Dublin*, 1850.

Oldham (Thomas). Report of the Examination of the districts in the Damoodah valley and Beerbhoom producing Iron-ore. (Tract.) 8vo. *Calcutta*, 1852.

——. Notes upon the Geology of the Rajmahal Hills. (Tract.) 8vo. *Calcutta*, 1853.

——. Report on the Coal-mines of Lakadong, in the Jynteah Hills; and Memorandum of the results of an examination of Gold-dust and Gold from Shuy-gween. (Tract.) 8vo. *Calcutta*, 1853.

——. Notes on the Geological Features of the banks of the River Irawadee and of the country north of the city of Amarapoora. 8vo. *Calcutta*, 1856.

——. On some additions to the knowledge of the Cretaceous Rocks of India. (Tract.) 8vo. *Calcutta*, 1858.

——. On the Geological Structure of a portion of the Khasi Hills, Bengal. 8vo. *Calcutta*, 1858.

——. Notice sur la fabrication du fer dans l'Inde. Extrait par M. Delesse. (Tract.) 8vo. *Paris*, 1859.

——. On the Geological Relations and probable Geological Age of Rocks in Central India and Bengal. (Tract.) 8vo. *Calcutta*, 1860.

——. On some Fossil Fish-teeth of the genus *Ceratodus* from Maledi, south of Nagpur. (Tract.) 8vo. *Calcutta*, 1860.

——. Memorandum on the results of a cursory examination of the Salt-Range and parts of the districts of Bunnoo and Kohat, etc. 8vo. *Calcutta*, 1864.

——. The "Coal Resources and Production of India." (Tract.) Fol. *Calcutta*, 1867.

——. Address delivered at the Annual General Meeting of the Asiatic Society of Bengal, . . . 1869. (Tract.) 8vo. *Calcutta*, 1869.

——. India. Mineral Statistics. Coal. (Tract.) 8vo. *Calcutta*, 1869.

——. See Tremenheere (G. B.)

Olfers (Ignaz Fr. M. von). Die Ueberreste vorweltlicher Riesenthiere in Beziehung zu ostasiatischen Sagen und chinesischen Schriften. (Tract.) 4to. *Berlin*, 1840.

Olivi (Giuseppe). Zoologia adriatica. 4to. *Bassano*, 1792.

Olivier (—) and **Virey** (—). Catalogue des livres d'histoire naturelle, etc., composant *leurs* bibliothèques. (Tract.) 8vo. *Paris*, 1850.

Olmsted (Denison). Address on the Scientific Life and Labors of William C. Redfield. (Tract.) 8vo. *New Haven*, 1857.

Omalius d'Halloy (Jean Baptiste Julian d'). Mémoires pour servir à la description géologique des Pays-Bas, de la France et de quelques contrées voisines. 8vo. *Namur*, 1828.

——. Eléments de Géologie. 8vo. *Paris*, 1831.

——. Eléments de Géologie, ou seconde partie des Eléments d'Histoire Naturelle inorganique. 2e édition. 8vo. *Paris*, 1835.

——. ——. 3e édition. 8vo. *Paris*, 1839.

——. Coup d'œil sur la Géologie de la Belgique. (Tract.) 8vo. *Brussels*, 1842.

——. Précis élémentaire de Géologie. 8vo. *Paris*, 1843.

——. ——. 8e édition. 8vo. *Brussels* and *Paris*, 1868.

——. Abrégé de Géologie. 8vo. *Brussels* and *Paris*, 1853.

Omalius d'Halloy (Jean Baptiste Julian d'). Abrégé de Géologie. 7e édition. 8vo. *Brussels*, 1862.

——. Notice biographique sur Alexandre Brongniart. (Tract.) 8vo. *Paris*, 1860.

——. Des races humaines, ou éléments d'éthnographie. 5e édition. 8vo. *Brussels* and *Paris*, 1869.

——. Sur le transformisme. (Tract.) 8vo. *Brussels*, 1873.

——. Notions élémentaires de statistique. 8vo. *Paris*.

——. See Cornet (F. L.).

Omboni (Giovanni). Série des terrains sédimentaires de la Lombardie. (Tract.) 8vo. *Paris*, 1855.

——. Cenni sulla carta geologica della Lombardia. (Tract.) 8vo. *Milan*, 1861.

——. [Notice of] Gastaldi, 'Epoca glaciale miocenica,' e Cantoni, 'Nuovi principj di fisiologia vegetale.' (Tract.) 8vo. *Milan*, 1861.

——. I ghiacciaj antichi e il terreno erratico di Lombardia. (Tract.) 8vo. *Milan*, 1861.

——. [Notice of] Capellini, 'Studj stratigrafici e paleontologici sull' Infralias nelle montagne del golfo della Spezia,' e 'Carta geologica dei dintorni del golfo della Spezia e val di Magra inferiore.' (Tract.) 8vo. *Milan*, 1863.

——. Delle principali opere finora pubblicate sulla geologia del Veneto. (Tract.) 8vo. *Milan*, 1863.

——. Sull' azione riescavatrice esercitata dagli antichi ghiacciaj sul fondo delle valli alpine. (Tract.) 8vo. *Milan*, 1863.

——. Bibliografia. Lyell, 'Antichità dell' uomo;' Gastaldi, Strobel e Pigorini, 'Avanzi dell' antica industria umana in Italia;' e Broca, 'Lavori della Società d'Antropologia di Parigi.' (Tract.) 8vo. *Milan*, 1864.

——. Sulle condizioni geologiche delle ferrovie progettate per arrivare a Coira passando per lo Spluga, il Settimo e il Lucomagno. (Tract.) 8vo. *Milan*, 1864.

——. Le due recenti teorie sulle correnti atmosferiche. (Tract.) 8vo. *Milan*, 1867.

——. Come si debbono ricostituire gli antichi continenti. (Tract.) 8vo. *Milan*, 1868.

——. Geologia dell' Italia. 8vo. *Milan*, 1869.

——. Di alcuni oggetti preistorici delle caverne di Velo nel Veronese. (Tract.) 8vo. *Milan*, 1875.

——. Delle antiche morene vicine ad Arco nel Trentino. (Tract.) 8vo. *Venice*, 1876.

——. L'esposizione di oggetti preistorici che ebbe luogo a Verona dal 20 Febbrajo al 3 Aprile 1876. (Tract.) 8vo. *Venice*, 1876.

——. Il mare glaciale e il pliocene ai piedi delle Alpi Lombarde. (Tract.) 8vo. *Milan*, 1877.

——. Le Marocche, antiche morene mascherate da frane. (Tract.) 8vo. *Milan*, 1878.

——. Le nostre Alpi e la pianura del Po. Descrizione geologica del Piemonte, della Lombardia, del Trentino, del Veneto e dell' Istria. 8vo. *Milan*, 1878.

*** As appendix to his 'Geologia dell' Italia.'

Omboni (Giovanni). Il gabinetto di mineralogia e geologia della R. Università di Padova. 8vo. *Padua*, 1880.

Ontario. North-western Ontario, its boundaries, resources, and communications. 8vo. *Toronto*, 1879.

——. The revised Statutes of Ontario. 2 vols. 8vo. *Toronto*, 1877.

——. Statutes, documents, and papers bearing on the discussion respecting the Northern and Western Boundaries of the Province of Ontario. 8vo. *Toronto*, 1878.

——. Statutes of the Province of Ontario passed in the session held in the Forty-first year of the reign of Her Majesty Queen Victoria. 8vo. *Toronto*, 1878.

——. —— session held in the Forty-second year of the reign of Her Majesty Queen Victoria. 8vo. *Toronto*, 1879.

Ooster (W. A.). Catalogue des Céphalopodes fossiles des Alpes Suisses, etc. (Tract.) 4to. *Geneva*, 1863.

——. Synopsis des échinodermes fossiles des Alpes Suisses. 4to. *Geneva* and *Basle*, 1865.

—— and **Fischer-Ooster** (C. von). Pétrifications remarquables des Alpes Suisses. Le Corallien de Wimmis. 4to. *Geneva* and *Basle*, 1869.

—— ——. Protozoe Helvetica. Band I. u. II. 4to. *Basle* and *Geneva*, 1869–71.

Oppel (Albert). Der mittlere Lias Schwabens. (Tract.) 8vo. *Stuttgart*, 1853.

——. Ueber einige Cephalopoden der Juraformation Württembergs. (Tract.) 8vo. *Stuttgart*, 1855.

——. Die Juraformation Englands, Frankreichs, und südwestlichen Deutschlands. 8vo. *Stuttgart*, 1856–58.

——. Weitere Nachweise der Kössener Schichten in Schwaben und in Luxemburg. (Tract.) 8vo. *Vienna*, 1857.

——. Die neueren Untersuchungen über die Zone der *Avicula contorta* mit besonderer Berücksichtigung der Beobachtungen M. Martin's über das Auftreten dieser Zone im Dep. Côte d'Or. (Tract.) 8vo. *Munich*, 1859.

——. Ueber die Brachiopoden des untern Lias. (Tract.) 8vo. *Berlin*, 1861.

——. Ueber die weissen und rothen Kalke von Vils in Tyrol. (Tract.) 8vo. *Munich*, 1861.

——. Paläontologische Mittheilungen aus dem Museum des königl. bayer. Staats. 3 vols. 8vo. *Stuttgart*, 1862–65.

——. Die tithonische Etage. (Tract.) 8vo. *Berlin*, 1865.

——. See SERIALS, ETC.: DRESDEN. Museum des königl. bayer. Staats.

—— and **Suess** (Eduard). Ueber die muthmasslichen Aequivalente der Kössener Schichten in Schwaben. (Tract.) 8vo. *Vienna*, 1856.

Oppermann (Peter Wilhelm). Ueber Schaalstein und Kalktrap, zwei Felsarten, die bisher unter der Benennung Schaalstein zusammengefasst wurden. (Tract.) 4to. *Frankfort*, 1836.

Orbigny (Alcide Dessalines d'). Biographical Notice. See GAUDRY (A.).

——. Foraminifères des îles Canaries. 4to. *Paris*, 1839.

——. Histoire naturelle, générale et particulière des Crinoïdes vivans et fossiles. 3e partie. 4to. *Paris*, 1840.

Orbigny (Alcide Dessalines d'). Paléontologie Française, ou description des fossiles de la france. (Atlas to accompany each volume.)
8vo. *Paris*, 1842 *etc.*

1re série. Animaux fossiles :—

Terrain crétacé.	Vol. I.	Céphalopodes, par A. d'Orbigny.
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2e série. Végétaux fossiles :—

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——. Voyage dans l'Amérique méridionale exécuté pendant les années 1827–33. Tome III. 3e partie, Géologie.
4to. *Paris* and *Strasbourg*, 1842.

——. Foraminifères fossiles du bassin tertiaire de Vienne.
4to. *Paris*, 1846.

——. Cours élémentaire de paléontologie et de géologie stratigraphiques. 3 vols. 8vo; Atlas, 4to. *Paris*, 1849–52.

——. Prodrome de paléontologie stratigraphique universelle des animaux mollusques et rayonnés, faisant suite au cours élémentaire de paléontologie et de géologie stratigraphiques. 3 vols. 2 copies. 8vo. *Paris*, 1850–52.

——. Catalogue des livres d'histoire naturelle, ouvrages et manuscrits relatifs à l'Amérique, composant *sa* Bibliothèque. (Tract.)
8vo. *Paris*, 1858.

——. See Elie de Beaumont (L.).

Orbigny (Charles d'). Mémoire sur diverses couches de terrain nouvellement découvertes aux environs de Paris, entre la craie et l'argile plastique. (Tract.) 2 copies. 8vo. *Paris*, 1836–37.

——. Notice géologique sur les environs de Paris. (Tract.)
8vo. *Paris*, 1838.

Orbigny (Charles d'). Classification et principaux caractères minéralogiques des roches d'après la méthode de M. Cordier. (Tract.) 8vo. *Paris*, 1848.

——. Description sommaire des divers terrains qui constituent l'écorce terrestre. (Tract.) 8vo. *Paris*, 1849.

—— and **Gente** (A.). Géologie appliquée aux arts et à l'agriculture. 8vo. *Paris*, 1851.

——. Description des roches. 8vo. *Paris*, 1868.

——. See Huot (J. J. N.).

Ordinaire (C. N.). A Natural History of Volcanoes. Translated from the original French manuscript, by R. C. Dallas. 8vo. *London*, 1801.

——. Histoire naturelle des volcans. 8vo. *Paris*, 1802.

Ordnance Map of Scotland. Remarks on the scale adopted. (Tract.) 8vo. No date.

Ordway (Albert). On the supposed identity of the *Paradoxides Harlani*, Green, with the *Paradoxides spinosus*, Boeck. (Tract.) 8vo. *Boston*, 1861.

O'Riley (Edward). Journal of a Tour to Karen-Nee for the purpose of opening a trading-road to the Shan traders from Mobyay and the adjacent Shan States, through that territory direct to Toungoo. (Tract.) 8vo. 1857.

——. A brief notice of the Tenasserim Provinces in relation to their Commercial and Political Importance. (Tract.) 8vo. *Bassein*, 1862.

Orlebar (A. B.). Some observations on the Geology of the Egyptian Desert. (Tract.) 8vo. *Bombay*, 1845.

Ormerod (George Waring). On the Geology of Central Cheshire. (Tract.) 8vo. *London*, 1843.

——. On the Salt Field and New Red Sandstone of Cheshire. (Tract.) 8vo. *Manchester*, 1843.

——. Remarks on a line of Earthworks in the parish of Lidenham, Gloucestershire, known as "Offa's Dyke." 4to. *London*, 1859.

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——. Notes on the Carboniferous beds adjoining the northern edge of the Granite of Dartmoor. (Tract.) 8vo. *Plymouth*, 1867.

——. Notice of Molars of *Hippopotamus major* stated to have been found in Kent's Cavern, Torquay. (Tract.) 8vo. *Plymouth*, 1869.

——. Notice of the occurrence of Scapolite at Chagford, Devon. (Tract.) 8vo. *Plymouth*, 1869.

——. Archæological Memoirs relating to the East of Dartmoor. 8vo. *Exeter*, 1876.

Örsted (Hans Christian). Obituary Notice. See Forchhammer (G.).

Orth (Albert). Geognostische Durchforschung des schlesischen Schwemmlands zwischen dem Zobtener und Trebnitzer Gebirge. 8vo. *Berlin*, 1872.

——. Ueber Untersuchung und kartographische Aufnahme des Bodens und Untergrundes grosser Städte. (Tract.) 8vo. *Berlin*, 1873.

——. Bericht über die Bodenarten, Bodenkarten und bez. geologischen Karten auf der Weltausstellung zu Wien 1873. (Tract.) 8vo. *Berlin*, 1873.

Orth (Albert). Beiträge zur Meereskunde. (Tract.) 8vo. *Berlin*, 1875.

——. Ueber einige Aufgaben der wissenschaftlichen Meereskunde. (Tract.) 8vo. *Berlin*, 1875.

——. Die geognostisch-agronomische Kartirung mit besonderer Berücksichtigung der geologischen Verhältnisse Norddeutschlands und der Mark Brandenburg. 8vo; Atlas, 4to. *Berlin*, 1875.

——. Landwirthschaftliche Beziehungen der geographischen Ausstellung zu Paris von 15. Juli bis 15. August 1875. (Tract.) 8vo. *Leipzig*, 1876.

——. Landwirthschaft. (Tract.) 8vo. *Berlin*?

——. Die Schwarzerde und ihre Bedeutung für die Kultur. (Tract.) 4to. *Halle*, 1877.

——. Ueber die Anforderungen der Geographie und der Land- und Forstwirthschaft an die geognostische Kartographie des Grund und Bodens. (Tract.) 8vo. *Berlin*, 1877.

——. Die naturwissenschaftlichen Grundlagen der Bodenkunde. (Tract.) 8vo. *Berlin*?, 1877.

Ortlieb (J.) and **Chellonneix** (E.). Etude géologique des collines tertiaires du département du Nord, comparées avec celles de la Belgique. 8vo. *Lille*, 1870.

Ortolani (Giuseppe Emanuele). Prospetto dei minerali di Sicilia. (Tract.) 8vo. *Palermo*, 1808.

Orton (Edward). See Surveys: Ohio.

Osander (Nicolaus E.). De fluviatili astaco ejusque usu medico. (Tract.) 8vo. *Upsala*, 1715.

Osborn (Henry F.). See Serials, etc.: Princeton (N. J.), Museum of Geology, &c.

Osiander (Friedrich Benjamin). Commentatio de carbone ligneo, summo ad arcendam metallorum oxydationem remedio, novo et certissimo experimento comprobato. (Tract.) 4to. *Göttingen*, 1820.

Oswald (H. R.). On the Stratification of Alluvial Deposits, and the Crystallization of Calcareous Stalactites. (Tract.) 8vo. *Douglas*, 1823.

Otley (Jonathan). A concise description of the English Lakes, the Mountains, etc., with Remarks on the Mineralogy and Geology. 6th edition. [Pp. 143–182, containing Botanical Notices, the Geology of the Lake District, the Floating Island in Derwent Lake, and the Black-lead Mine in Borrowdale.] 12mo. *Keswick*, 1837.

Otto (E. von). *Callianassa antiqua*, Otto, aus dem untern Quader von Malter in Sachsen. (Tract.) 8vo. *Dresden*, 1857.

Ouchterlony (John). Mineralogical Report upon a portion of the districts of Nellore, Cuddapah, and Guntoor. (Tract.) 8vo. *Madras*, 1841.

Oustalet (E.) and **Sauvage** (H. Emile). Notes sur les schistes à Meletta de Froidefontaine. (Tract.) 2 copies. 8vo. *Paris*, 1870.

Owen (David Dale). [On a supposed new Earth.] (Tract.) 8vo. *Philadelphia*?, 1852.

——. See Surveys: Arkansas, Iowa, Kentucky, and Wisconsin.

Owen (Edward). Observations on the Earths, Rocks, Stones, and Minerals for some miles about Bristol. 12mo. *London*, 1754.

Owen (Richard). Memoir on the Pearly Nautilus (*Nautilus pompilius*, Linn.), with Illustrations of its external form and internal structure. 4to. *London*, 1832.

——. On the Anatomy of the Brachiopoda of Cuvier, etc. (Tract.) 4to. *London*, 1834.

——. Description of the remains of Marsupial Mammalia from the Stonesfield Slate. Part 2. (Tract.) 8vo. *London*, 1838.

——. Observations on the Teeth of *Zeuglodon*, *Basilosaurus* of Dr. Harlan. (Tract.) 8vo. *London*, 1839.

——. Odontography; or a treatise on the comparative anatomy of the teeth in Vertebrate animals. 4to. *London*, *Paris*, and *Leipzig*, 1840–45.

——. Description of the Skeleton of an extinct gigantic Sloth (*Mylodon robustus*, Owen). 4to. *London*, 1842.

——. Lectures on the Comparative Anatomy and Physiology of the Invertebrate Animals. 8vo. *London*, 1843.

——. A history of British Fossil Mammals and Birds. 8vo. *London*, 1846.

——. Lectures on the Comparative Anatomy and Physiology of the Vertebrate Animals, delivered at the Royal College of Surgeons of England in 1844 and 1846. Part I. Fishes. 8vo. *London*, 1846.

——. On the Archetype and Homologies of the Vertebrate Skeleton. 8vo. *London*, 1848.

——. The Hippopotamus at the Zoological Gardens. (Tract.) 8vo. *London*, 1850.

——. A Monograph on the Fossil Reptilia of the Cretaceous Formations. [Palæontographical Society.] 4to. *London*, 1851–64.

——. On *Dinornis* (Part IV.), containing the restoration of the feet of that Genus and of *Palapteryx*, with a description of the sternum in *Palapteryx* and *Aptornis*. (Tract.) 4to. *London*, 1851.

——. On *Dinornis* (Part VI.), containing a description of the bones of the leg of *Dinornis* (*Palapteryx*) *struthioides* and of *Dinornis gracilis*, Owen. (Tract.) 4to. *London*, 1855.

——. Description of some species of the extinct genus *Nesodon*, with remarks on the primary group (*Toxodontia*) of hoofed quadrupeds, to which the genus is referable. (Tract.) 4to. *London*, 1853.

——. Monograph on the Fossil Reptilia of the Wealden and Purbeck Formations. With supplements. [Palæontographical Society.] 4to. *London*, 1853–64 *etc.*

——. Geology and Inhabitants of the Ancient World. The animals constructed by B. W. Hawkins. (Tract.) 8vo. *London*, 1854.

——. Lectures on the Comparative Anatomy and Physiology of the Invertebrate Animals, delivered at the Royal College of Surgeons. 2nd edition. 8vo. *London*, 1855.

——. Description of a small Lophiodont Mammal (*Pliolophus vulpiceps*, Owen) from the London Clay, near Harwich. (Tract.) 8vo. *London*, 1858.

——. Description of the Skull and Teeth of the *Placodus laticeps*, Owen, with indications of other new species of *Placodus*, and evidence of the Saurian nature of that genus. (Tract.) 4to. *London*, 1858.

Owen (Richard). Address delivered at the twenty-eighth General Meeting of the British Association. (Tract.) 8vo. *London*, 1859.

——. On the Classification and Geographical Distribution of the Mammalia. 8vo. *London*, 1859.

——. Memoir on the Megatherium, or Giant Ground-Sloth of America (*Megatherium americanum*, Cuvier). 4to. *London*, 1860.

——. Monographs on the British Fossil Reptilia from the Kimmeridge Clay. [Palæontographical Society.] 4to. *London*, 1860 *etc.*

——. Palæontology, or a Systematic Summary of extinct animals and their geological relations. 8vo. *Edinburgh*, 1860.

——. Monographs on the British Fossil Reptilia from the Oolite Formations. [Palæontographical Society.] 4to. *London*, 1861 *etc.*

——. Sur le Gorille (*Troglodytes gorilla*), traduit par M. Eudes-Deslongchamps. (Tract.) 8vo. *Caen*, 1861.

——. On the Aye-aye. (Tract.) 4to. *London*, 1862.

——. On the extent and aims of a National Museum of Natural History. 8vo. *London*, 1862.

——. Monograph of the Fossil Reptilia of the Liassic Formations. [Palæontographical Society.] 4to. *London*, 1865.

——. On the Anatomy of the Vertebrates. 3 vols. 8vo. *London*, 1866.

——. The dental characters of Genera and Species, chiefly of Fishes, from the Low Main Seam and Shales of Coal, Northumberland. (Tract.) 8vo. *London*, 1867.

——. Monograph of the British Fossil Cetacea from the Red Crag. [Palæontographical Society.] 4to. *London*, 1870 *etc.*

——. Monograph of the Fossil Mammalia of the Mesozoic Formations. [Palæontographical Society.] 4to. *London*, 1871.

——. On Longevity. (Tract.) 8vo. *London*, 1872.

——. On the Fossil Mammals of Australia. Parts VI. to VIII. Genera *Phascolomys*, Geoffr., and *Macropus*, *Osphranter*, *Phascolagus*, *Sthenurus*, and *Protemnodon* [family Macropodidæ]. (Tracts.) 4to. *London*, 1872–74.

——. Anatomy of the King Crab (*Limulus polyphemus*, Latr.). 4to. *London*, 1873.

——. Monographs on the British Fossil Reptilia of the Mesozoic Formations. [Palæontographical Society.] 4to. *London*, 1874 *etc.*

——. Descriptive and Illustrated Catalogue of the Fossil Reptilia of South Africa in the Collection of the British Museum. 4to. *London*, 1876.

——. Researches on the Fossil Remains of the Extinct Mammals of Australia, with a notice of the Extinct Marsupials of England. 2 vols. 4to. *London*, 1877.

——. On the occurrence in North America of rare extinct Vertebrates found fragmentarily in England. (Tract.) 8vo. *London*, 1878.

——. See 'Beagle' Expedition, Belcher (*Sir* Edward), and Buckland (William).

—— and **Bell** (Thomas). Monograph on the Fossil Reptilia of the London Clay, and of the Bracklesham and other Tertiary Beds. [Palæontographical Society.] 4to. *London*, 1849–58.

Owen (W. F. W.). Tables of Latitudes and Longitudes by Chronometer of Places in the Atlantic and Indian Oceans, resulting from the observations of H.M.S. 'Leven' and 'Barracouta' in the years 1820 to 1826 inclusive. To which is prefixed an Essay on the management and use of Chronometers by Richard Owen, Commr. R.N. 4to. *London*, 1827.

P.

P * * * (F.). A Letter to a Friend, containing observations on the comparative merits of Canals and Railways, occasioned by the reports of the Committee of the Liverpool and Manchester Railway. (Tract.) 8vo. *London*, 1832.

P * * * (L.), *M.A.* Two Essays sent in a letter from Oxford to a nobleman in London, the first concerning some Errors about the Creation, etc., the second concerning the Rise, Progress, and Destruction of Fables and Romances. 8vo. *London*, 1695.

Pacht (R.). See Baer (C. E. von).

Pacific Steam Navigation Company. [Reports of Messrs. Wheelwright and Taggart to the Directors.] (Tracts.) 8vo. *London*, 1843.

Packard (A. S.). Results of observations on the Drift Phenomena in Labrador and the Atlantic coast southward. (Tract.) 8vo. *New Haven*, 1866.

——. Evidence of the existence of ancient local Glaciers in the White Mountain valleys. (Tract.) 8vo. *New Haven*, 1867.

——. Record of American Entomology for the year 1868. 8vo. *Salem*, 1869.

——. Report on the Rocky Mountain Locust and other insects now injuring and likely to injure field and garden crops in the Western States and Territories. (Tract.) 8vo. *Washington*, 1877.

——. See Surveys: United States, Survey of Territories.

Packe (Christopher). ΑΝΚΟΓΡΑΦΙΑ, sive Convallium Descriptio. In which are briefly but fully expounded the origine, course and insertion, extent, elevation and congruity of all the valleys and hills, brooks and rivers . . . . . of East Kent. (Tract.) 4to. *Canterbury*, 1743.

Paetel (Fr.). Die bisher veröffentlichten Familien- und Gattungsnamen der Mollusken. 8vo. *Berlin*, 1875.

Page (David). Rudiments of Geology. 8vo. *Edinburgh*, 1852.

——. Advanced Textbook of Geology, descriptive and industrial. 8vo. *Edinburgh* and *London*, 1859.

——. Handbook of Geological Terms and Geology. 8vo. *Edinburgh* and *London*, 1859.

——. The Philosophy of Geology. 8vo. *London* and *Edinburgh*, 1863.

——. Some Remarks on the Present Position and Future Prospects of Geological Inquiry. (Tract.) 8vo. *Edinburgh*, 1864–65.

——. Geology and Modern Thought. (Tract.) 8vo. *Edinburgh*, 1865–66.

——. Introductory Textbook of Physical Geography. 8vo. *Edinburgh* and *London*, 1876.

Page (Thomas). Report on the proposed Harbour of Refuge, new Basin, and Dock at Maryport, and their advantages for ships of large burthen. (Tract.) 4to. *Westminster*, 1865.

Page (Thomas J.). Report of the Exploration and Survey of the river "La Plata" and tributaries. (Tract.) 8vo. *Washington*, 1856.

Paijkull (C. W.). En sommer i Island. 8vo. *Copenhagen*, 1867.

Palissan (M.). Essai sur la minéralogie des Monts-Pyrénées. 4to. *Paris*, 1784.

Palissy (Bernard). Œuvres, revues sur les exemplaires de la bibliothèque du Roi, avec des notes par MM. Faujas de Saint Fond et Gobet. 4to. *Paris*, 1777.

Pallas (P. S.). Betrachtungen über die Beschaffenheit der Gebürge und Veränderungen der Erdkugel. (Tract.) *Frankfort* and *Leipzig*, 1778.

——. Tableau physique et topographique de la Tauride tiré du journal d'un voyage fait en 1794. 4to. *St. Petersburg*, 1795.

Pallias (Honoré). Souvenirs des Alpes. Le Lautaret. (Tract.) 8vo. *Lyons*, 1853.

Palliser (John). See REPORTS, PARLIAMENTARY. America, North.

Palmgren (L.). See SURVEYS: SWEDEN.

Palmieri (Luigi). Der Ausbruch des Vesuv's vom 26. April, 1872. Besorgt und bevorwortet von C. Rammelsberg. 8vo. *Berlin*, 1872.

——. The Eruption of Vesuvius in 1872; with Notes and an Introductory Sketch of the present state of Knowledge of Terrestrial Vulcanicity. By Robert Mallet. 8vo. *London*, 1873.

Palstercamp (A. de Bylandt). See BYLANDT PALSTERCAMP (A. de).

Pander (Christian Heinrich). Beiträge zur Geognosie des russischen Reiches. 4to; Atlas, fol. *St. Petersburg*, 1830.

——. Monographie der fossilen Fische des silurischen Systems der russich-baltischen Gouvernements. 4to. *St. Petersburg*, 1856.

——. Ueber die Ctenodipterinen des devonischen Systems. 4to. *St. Petersburg*, 1858.

——. Ueber die Saurodipterinen, Dendrodonten, Glyptodonten und Cheirolepiden des devonischen Systems. 4to. *St. Petersburg*, 1860.

Pansner (Lorenz von). Resultate der Unterschungen über die Härte und specifische Schwere der Mineralien. (Tract.) 8vo. *St. Petersburg*, 1813.

——. Höhen der Oerter über der Meeresfläche im europäischen und asiatischen Russland, etc. (Tract.) 8vo. *Berlin*, 1836.

Pantz (Ignaz von) and **Atzl** (A. Jos.). Versuch einer Beschreibung der vorzüglichsten Berg- und Hüttenwerke des Herzogthums Steyermark. 8vo. *Vienna*, 1814.

Paoli (D.). Del sollevamento e dell' avvallamento di alcuni terreni. (Tract.) 8vo. *Pesaro*, 1838.

Paracelsus (P.). Nine books of the Nature of Things. Also a Chemical Dictionary explaining hard places and words met withall in the writings of Paracelsus and obscure authors. Translated by J. F. 4to. *London*, 1650.

Pareto (Lorenzo Nicolò). Osservazioni geologiche dal Monte Amiata a Roma. (Tract.) 8vo. *Rome*, 1844.

——. Della posizione delle roccie pirogene ed eruttive dei periodi terziario, quaternario, ed attuale in Italia. (Tract.) 8vo. *Genoa*.

Pareto (Lorenzo Nicolò). Discorsi del Presidente della sezione di geologia e mineralogia all' ottavo congresso scientifico Italiano, Settembre 1846. (Tract.) 4to. *Genoa*, 1847.

Parfitt (Edward). Fossil Sponge-spicules in the Greensand of Haldon and Blackdown. (Tract.) 8vo. *Exeter*, 1870.

Paris (John Ayrton). A Memoir of the Life and Scientific Labours of the late Rev. William Gregor. (Tract.) 8vo. *London*, 1818.

Paris. Universal Exhibition, Reports. See EXHIBITION OF 1855.

Paris to Brest. Profil géologique suivant le tracé du chemin de fer, dressé sur les indications de MM. Triger et Delesse par MM. Mille and Thoré. Section de Paris à Rennes, par MM. Mille and Thoré. Section de Rennes à Brest, par M. Mille. Réseau d'Orléans, par M. Mille. Fol. *Paris*, 1863–66.

Parish (*Sir* Woodbine). Notice as to the supposed identity of the large mass of Meteoric Iron now in the British Museum with the celebrated Otumpa Iron described by Rubin de Celis in the Philosophical Transactions for 1786. (Tract.) 2 copies. 4to. *London*, 1834.

——. Buenos Ayres, and the provinces of the Rio de la Plata; their present state, trade, and debt, etc. 8vo. *London*, 1838.

——. 2nd edition. 8vo. *London*, 1852.

Parker (James). On the relationship between the Somme River and the Somme Valley. (Tract.) 8vo. *London*, 1876.

Parker (Samuel). Journal of an Exploring Tour beyond the Rocky Mountains, . . . performed in the years 1835, 1836, and 1837, with a map of Oregon territory. 8vo. *Ithaca, N. Y.*, 1838.

Parker (William Kitchen). Abstract of notes on the Osteology of *Balæniceps rex*. (Tract.) 8vo. *London*, 1860.

——. A Monograph of the Structure and Development of the Shoulder-girdle and Sternum in the Vertebrata. [Ray Society.] 4to. *London*, 1868.

——. See CARPENTER (William Benjamin) and JONES (Thomas Rupert).

—— and **Jones** (T. Rupert). Description of some Foraminifera from the coast of Norway. (Tract.) 8vo. *London*, 1857.

—— ——. On *Ovulites margaritula*. (Tract.) 8vo. *London*, 1877.

——, ——, BRADY (H. B.), and KIRKBY (J. W.). On the Nomenclature of the Foraminifera. Parts I.–XV. 8vo. *London*, 1859–72.

Parkes (Samuel). The Chemical Catechism, with notes, illustrations, and experiments. 5th edition. 8vo. *London*, 1812.

——. ——. 10th edition. 8vo. *London*, 1822.

——. ——. Revised and adapted to the present state of chemical science by E. W. Brayley, jun. 8vo. *London*, 1834.

——. Chemical Essays. 5 vols. 12mo. *London*, 1815.

——. Thoughts on the Laws relating to Salt. 8vo. *London*, 1817.

——. A letter to Farmers and Graziers on the advantages of using Salt in Agriculture and in feeding Cattle. 4th edition. (Tract.) 8vo. *London*, 1819.

Parkes (William). Description of Lighthouses lately erected in the Red Sea. (Tract.) 8vo. *London*, 1864.

Parkinson (James). Organic Remains of a former World. An examination of the mineralized remains of the vegetables and animals of the antediluvian world generally termed extraneous fossils. 3 vols. and plates. 2 copies. 4to. *London*, 1804–11.

Parkinson (James). Observations on the Strata and Fossil Remains in the neighbourhood of London. (Tract.) 4to. *London*, 1811.

——. Outlines of Oryctology. An introduction to the study of fossil organic remains, especially of those found in theBritish strata, etc. 8vo. *London*, 1822.

——. ——. 3rd edition. 8vo. *London*, no date.

Parliamentary Reports. See REPORTS, PARLIAMENTARY.

Parolini (Alberto). Biographical Notice. See VISIANI (Roberto de).

——. Sulla sospenzione temporanea del corso dell' Oliero. (Tract.) 8vo. *Venice*, 1858.

Parrish (Robert A.). Details of an unpaid claim on France for 20,000,000 francs, guaranteed by the parole of Napoleon III. 8vo. *Philadelphia*, 1869.

Parry (C. C.). See SURVEYS: UNITED STATES.

Parry (W. E.), **Foster** (Henry), and **Ross** (J. C.). Observations and experiments made at Fort Bowen in the years 1824–25 on the figure of the Earth, on magnetism and atmospherical refraction. 4to. *London*, 1826.

Parsons (H. Franklin). The Alluvial Strata of the Lower Ouse Valley. (Tract.) 8vo. *Leeds*, 1878.

Partsch (Paul). Bericht über das Detonations-Phänomen auf der Insel Meleda bey Ragusa, etc. 8vo. *Vienna*, 1826.

——. Ueber den schwarzen Stein in der Kaaba zu Mekka. (Tract.) 8vo. *Vienna*, 1856.

Pascoe (Francis P.). Zoological Classification: a handy book of reference, with tables of the subkingdoms, classes, orders, &c. of the Animal Kingdom, their characters, and lists of the families and principal genera. 2nd edition. 8vo. *London*, 1880.

Pascucci (Luigi). Brevi cenni sulle specialità Mattei con sunto delle malattie sanate nella città di Roma nell' anno 1869. (Tract.) 8vo. *Rome*, 1870.

Pasini (Ludovico). See POLO (Marco).

Pasley (C. W.). Observations on limes, calcareous cements, mortars, stuccos, and concrete, etc. 8vo. *London*, 1838.

Passalaqua (Alessandro Lucini). Voti di un comasco per qualche miglioramento alla sua bella patria. (Tract.) 8vo. *Milan*, 1844.

Passy (Antoine). Description géologique du département de la Seine-Inférieure. Text and atlas. 2 copies. 4to. *Paris* and *Rouen*, 1832.

——. Notice biographique sur M. Louis Graves. (Tract.) 8vo. *Paris*, 1860.

Pasumot (François). Voyages physiques dans les Pyrénées en 1788 et 1789. 8vo. *Paris*, 1797.

Paton (James). See BRITISH ASSOCIATION. Glasgow Guide Books.

Paton (John), **Oldham** (James), and **Müller** (John Henry). On reclaiming Land from Seas and Estuaries. (Tract.) 8vo. *London*, 1864.

Patrick (R. W. Cochran-). Early records relating to Mining in Scotland. 4to. *Edinburgh*, 1878.

Patrin (Eugène Louis Melchior). Eléméns de minéralogie et de géologie. 12mo. *Paris*, 1803.

——. Histoire naturelle des minéraux. 2nd edition. 5 vols. 12mo. 1803.

Patten (Robert). Report of the Locating Survey of the St. Croix and Lake Superior Railroad. (Tract.) 8vo. *Madison*, 1856.

Patterson (H. S.). See NOTT (J. C.).

Patterson (Robert). On the Study of Natural History as a branch of general education in schools and colleges. (Tract.) 8vo. *Belfast*, 1840.

Patti (Carmelo Sciuto). Relazione dei lavori scientifici trattati nell' anno XXXX. dell' Accademia Gioenia di Scienze naturali. (Tract.) 4to. *Catania*, 1867.

Pattison (S. R.). Chapters on Fossil Botany. 8vo. *London*, 1849.

——. "The Antiquity of Man." An examination of Sir Charles Lyell's recent work. (Tract.) 8vo. *London*, 1863.

——. New Facts and Old Records: a Plea for Genesis. (Tract.) 8vo. *London*, 1867.

Paul (Benjamin H.). See BISCHOF (Gustav).

Pávay (Alexius). A budai márga ásatag Tüs-Könczei. (Die fossilen Seeigel des Öfner Mergels.) 8vo. *Pesth*, 1874.

Payne (Edward J.). See EXHIBITION OF 1867. Paris.

Payne (Olive). See METALS, MINES, and MINERALS.

Payot (Venance). Collection de la série des roches de la chaîne du Mont-Blanc, et du massif des terrains composant la nature géologique du groupe de montagnes entre les vallées de Sixt, Diozaz, Servoz, Chamonix, etc. Texte explicatif. (Tract.) 4to. *Geneva*, 1855.

——. Oscillations des quatre grands glaciers de la vallée de Chamounix. (Tract.) 8vo. *Lausanne*, 1867.

Peacock (Richard Atkinson). On Steam, as the motive power in Earthquakes and Volcanoes, and on cavities in the Earth's crust. (Tract.) 2 copies. 8vo. *Jersey*, 1866.

——. Physical and Historical Evidences of vast sinkings of Land on the North and West Coasts of France and South-western Coasts of England within the historical period. 8vo. *London*, 1868.

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Peale (Rembrandt). Account of the Skeleton of the Mammoth, a nondescript carnivorous animal of immense size found in America. 8vo. *London*, 1802.

——. An Historical Disquisition on the Mammoth, a great American Incognitum. 2 copies. 8vo. *London*, 1803.

Pearce (Horace). On a group of Old Stones. (Tract.) 8vo. *Dublin*, 1870.

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——. In the Tracks of Old Welsh Glaciers. (Tract.) 8vo. *Dublin*, 1874.

Pearson (John). See SERIALS, ETC.: WORCESTER. Worcester Natural-History Society.

Pearson (J. T.). Hints for the preservation of Objects of Natural History. (Tract.) 8vo. *Calcutta*, 1835.

Pecchioli (Vittorio). Notice sur un nouveau genre de Bivalve fossile des terrains sub-apennins. (Tract.) 8vo. *Florence*, 1852.

Pechar (Johann). Kohl und Eisen in alle Ländern der Erde. (Tract.) 8vo. *Berlin*, 1878.

Peckham (S. F.). See SURVEYS: MINNESOTA.

Peez (A. H.). Traité sur les eaux thermales de Wiesbade. Traduit par J. G. Graffenauer. 8vo. *Wiesbaden*.

Pelet de la Lozère (*Baron* —). Napoleon in Council, or the Opinions delivered by Bonaparte in the Council of State. Translated from the French . . . by Captain Basil Hall. 8vo. *Edinburgh*, 1837.

Pelletier (J.). Essai sur la valeur des caractères physiques employés en minéralogie. (Tract.) 4to. *Paris*, 1812.

Pelouze (E.). Art de fabriquer les couleurs et vernis. 12mo. *Paris*, 1828.

Pencati (Giuseppe Marzari-). See MARZARI-PENCATI (Giuseppe).

Pengelly (William). Introductory Address, delivered before the Torquay Natural History Society, 1863. (Tract.) 8vo. *London* and *Torquay*, 1864.

——. On Cetacean remains washed ashore at Babbicombe, South Devon. (Tract.) 8vo. *Plymouth*, 1866.

——. On Kent's Cavern, Torquay. (Tract.) 8vo. *London*, 1866.

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——. See PRESTWICH (Joseph).

—— and **Heer** (Oswald). On the Lignite Formation of Bovey Tracey, Devonshire. 4to. *London*, 1863.

Peniston (William Michael). Public Works in Pernambuco, in the Empire of Brazil. (Tract.) 8vo. *London*, 1863.

Penning (W. Henry). Field Geology. With a Section on Palæontology by A. J. Jukes-Browne. 8vo. *London*, 1876.

——. A Textbook of Field Geology. With a Section on Palæontology by A. J. Jukes-Browne. Second edition. 8vo. *London*, 1879.

——. Engineering Geology. 8vo. *London*, 1880.

Pennsylvania. See MARYLAND and SURVEYS.

Penny Cyclopædia. 27 vols. and 3 supplements. 4to. *London*, 1833–72.

Pentland (J. B.). On the General Outline and Physical Configuration of the Bolivian Andes, etc. (Tract.) 8vo. *London*, 1835.

Pepe (Gabriele). Ragguaglio istorico-fisico del Tremuoto accaduto nel Regno di Napoli, . . . 1805. (Tract.) 8vo. *Naples*, 1806.

Pepys (W. H.). Analysis of the Sand Tube found at Drigg. (MS. Tract.)

Perazzi (C.). Intorno ai Giacimenti Cupriferi contenuti nei Monti Serpentinosi dell' Italia Centrale. (Tract.) 4to. *Turin*, 1864.

Perazzi (C.). See EXHIBITION OF 1861.

Percival (James G.). See SURVEYS: CONNECTICUT and WINCONSIN.

Percy (John). On the importance of special Scientific Knowledge to the practical Metallurgist. 8vo. *London*, 1852.

——. Metallurgy. The art of extracting metals from their ores, and adapting them to various purposes of manufacture. Fuel; Fire-clays; Copper; Zinc; Brass, etc. 8vo. *London*, 1861.

——. ——. Iron and Steel. 8vo. *London*, 1864.

——. The Metallurgy of Lead, including desilverization and cupellation. 8vo. *London*, 1870.

——. See JUKES (J. Beete).

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Pereira (Jonathan). Lectures on Polarized Light, together with a Lecture on the Microscope. 2nd edition. 8vo. *London*, 1854.

Pereira Cabral (Frederico A. de Vasconcellos A.). See SURVEYS: PORTUGAL.

Perez (A.). Sui limiti geognostici del terreno cretaceo delle Alpi marittime. (Tract.) 8vo. *Nizza*, 1853.

Peron (Alphonse). Sur les terrains jurassiques supérieurs en Algérie. (Tract.) 8vo. *Paris*, 1869.

——. See COTTEAU (Gustave).

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——. Documents sur les Tremblements de Terre au Mexique et dans l'Amérique centrale. (Tract.) 8vo. *Epinal*, 1847.

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——. Sur les Tremblements de Terre de la péninsule Ibérique; avec Notes additionelles par M. Fournet. (Tract.) 8vo. *Lyons*, 1847.

——. Documents relatifs aux Tremblements de Terre dans le nord de l'Europe et de l'Asie. (Tract.) 8vo. *Epinal*, 1848.

Perrey (Alexis). Instructions sur l'observation des Tremblements de Terre. (Tract.) 8vo. *Paris*, 1848.

——. Mémoire sur les Tremblements de Terre ressentis dans la péninsule Turco-Hellénique et en Syrie. (Tract.) 4to. *Brussels*, 1848?

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——. Note sur les Tremblements de Terre ressentis en 1848. (Tract.) 8vo. *Brussels*, 1849.

——. Note sur les Tremblements de Terre ressentis en 1849, suivi d'un supplément pour 1847 et 1848. (Tract.) 8vo. *Brussels*, 1850.

——. Note sur les Tremblements de Terre en 1853, avec suppléments pour les années antérieures. (Tract.) 8vo. *Dijon*, 1854.

——. Note sur les Tremblements de Terre ressentis en 1854, avec suppléments pour les années antérieures. (Tract.) 8vo. *Brussels*, 1855.

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——. Note sur les Tremblements de Terre en 1861, avec suppléments pour les années antérieures. (Tract.) 8vo. *Brussels*, 1863.

——. Note sur les Tremblements de Terre en 1862, avec suppléments pour les années antérieures. (Tract.) 8vo. *Brussels*, 1864.

——. Note sur les Tremblements de Terre en 1863, avec suppléments pour les années antérieures, de 1843 à 1862. (Tract.) 8vo. *Brussels*, 1865.

——. ——. (Tract.) 8vo. *Brussels*, 1866.

——. Documents relatifs aux Tremblements de Terre dans le nord de l'Europe et de l'Asie. (Tract.) 4to. *St. Petersburg*, 1849.

——. Sur les Tremblements de Terre dans les îles Britanniques. (Tract.) 8vo. *Lyons*, 1849.

——. Circulaire relative à l'observation des Tremblements de Terre, addressée à tous les voyageurs. (Tract.) 8vo. *Paris*, 1854.

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——. Bibliographie seismique. (Tract.) 2 copies. 8vo. *Dijon*, 1855.

——. Documents sur les Tremblements de Terre au Pérou, dans la Colombie et dans le bassin de l'Amazone. (Tract.) 8vo. *Brussels*, 1857–58.

——. Sur les Tremblements de Terre et les phénomènes volcaniques aux Moluques. Parts 1 to 4. (Tract.) 8vo. *Epinal*, 1857–60.

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——. Documents sur les Tremblements de Terre et les phénomènes volcaniques au Japon. (Tract.) 8vo. *Lyons*, 1862.

Perrey (Alexis). Documents sur les Tremblements de Terre et les phénomènes volcaniques dans l'archipel des Kouriles et au Kamtschatka. (Tract.) 8vo. *Lyons*, 1863.

——. Documents sur les Tremblements de Terre et les phénomènes volcaniques des îles Aleutiennes, de la péninsule d'Aljaska et de la côte N.O. d'Amérique. (Tract.) 8vo. *Brussels*, 1866.

Perrot (A. M.). Manuel du dessinateur ou traité complet de cet art. 12mo. *Paris*, 1827.

——. Manuel élémentaire pour la construction et le dessin des cartes géographiques. 12mo. *Paris*, 1830.

Perry (John B.). Queries on the Red Sandstone of Vermont and its relations to other rocks. (Tract.) 8vo. *Boston*, 1868.

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Perthes (Jacques Boucher de Crévecœur de). See Boucher de Crèvecœur de Perthes (Jacques).

Pessina (Luigi Gabriele). Quistioni naturali e ricerche meteorologiche:
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(Mem. II.) Della formazione della pioggia e della provocazione di essa. 8vo. *Naples*, 1865.
(Mem. III.) Eruzioni vulcaniche e tremuoti. 8vo. *Naples*, 1868.
(Mem. IV.?) Considerazioni sullo stato attuale ed avvenire della meteorologia. 8vo. *Florence*, 1870.

Petermann (Augustus). On the Fall of the Jordan, and of the Principal Rivers in the United Kingdom. (Tract.) 8vo. *London*, 1848.

——. The Expedition to the North Pole. (Lith. Tract.) 8vo. *London* and *Gotha*, 1865.

——. See Hochstetter (Ferdinand von).

Peters (Karl Ferdinand). Schildkrötenreste aus den österreichischen Tertiärablagerungen. (Tract.) 4to. *Vienna*, 1855.

——. Beiträge zur Kenntniss der Schildkrötenreste aus den österreichischen Tertiärablagerungen. (Tract.) 4to. *Vienna* and *Olmutz*, 1858.

——. Vorläufiger Bericht über eine geologische Untersuchung der Dobrudscha. (Tract.) 8vo. *Vienna*, 1864.

——. Grundlinien zur Geographie und Geologie der Dobrudscha. 1. Geographischer Theil. 2. Geologischer Theil. (Tracts.) 4to. *Vienna*, 1867.

——. Zur Kenntniss der Wirbelthiere aus den Miocänschichten von Eibiswald in Steiermark. I. Die Schildkrötenreste; II. *Amphicyon*, *Viverra*, *Hyotherium*. (Tract.) 2 copies. 8vo. *Vienna*, 1868.

——. Ueber Reste von *Dinotherium* aus der obersten Miocänstufe der südlichen Steiermark. (Tract.) 8vo. *Vienna*, 1871.

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Pettenkofer (Max von). Die Chemie in ihrem Verhältnisse zur Physiologie und Pathologie. (Tract.) 4to. *Munich*, 1848.

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Pettersen (Karl). Geologiske Undersögelse i Tromsö ômegn i Aarene 1865–1867. 8vo. *Trondheim*, 1868.

——. Geologiske Undersögelser i Tromsö Amt. III. Om Kvartærtidens Dannelser. (Tract.) 8vo. *Trondheim*, 1872.

Petterson (A. L. Th.). See SURVEYS: SWEDEN.

Pettus (John). The Laws of Art and Nature in knowing, judging, assaying, finding, refining, and enlarging the bodies of confined metals. Fol. *London*, 1683.

Petzholdt (Alexander). Erdkunde. Geologie. (Tract.) 8vo. *Leipzig*, 1840.

——. De Calamitis, etc. (Tract.) 8vo. *Dresden* and *Leipzig*, 1841.

——. Ueber Calamiten und Steinkohlenbildung. (Tract.) 8vo. *Dresden* and *Leipzig*, 1841.

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Pfaff (W.). See BERZELIUS (J. J.).

Pfankuch (Otto). Ueber die zu Sooldorf im Hessen-Schaumburgischen erbohrte Salzsoole, deren übles Verhalten beim Soggen, und über die Mittel, durch welche man dasselbe zu beseitigen versucht hat. (Tract.) 8vo. *Göttingen*, 1841.

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——. Fauna Molluscorum viventium et in tellure tertiaria fossilium, Regni utriusque Siciliæ. 4to. *Halle*, 1844.

Phillips (John). Illustrations of the Geology of Yorkshire. 2 parts. 2 copies. 4to. *York*, 1829, 1836.

——. Illustrations of the Geology of Yorkshire. Part I. 3rd edition. Edited by R. Etheridge. 4to. *London*, 1875.

——. A Guide to Geology. 2nd edition. 8vo. *London*, 1835.

——. ——. 3rd edition. 8vo. *London*, 1836.

——. ——. 5th edition. 2 copies. 8vo. *London*, 1864.

Phillips (John). A Report on the probability of the occurrence of Coal and other Minerals in the vicinity of Lancaster. 2 copies. 4to. *Lancaster*, 1837.

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——. See Buckland (William); Reports, Parliamentary; Rosse (Earl of); and Surveys, England and Wales and Great Britain.

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Pictet (F. J.). Traité élémentaire de Paléontologie, ou Histoire naturelle des animaux fossiles. 4 vols. 8vo. *Paris*, 1844–46.

——. Traité de Paléontologie, ou Histoire naturelle des animaux fossiles. 2e édition. 4 vols. 8vo; Atlas, 2 vols. 4to. *Paris*, 1853–57.

——. Description de quelques poissons fossiles du mont Liban. 4to. *Geneva*, 1850.

——. Matériaux pour la paléontologie Suisse. Série 1–6. 4to. *Geneva*, 1854–73.

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—— ——. Nouvelles recherches sur les poissons fossiles du mont Liban. 4to. *Geneva* and *Paris*, 1866.

—— and **Rénevier** (E.). (Notices géologiques et paléontologiques sur les Alpes Vaudoises.) Céphalopodes de Cheville. (Tract.) 8vo. *Lausanne* and *Paris*, 1866.

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Railway Tunnels. Reports on the Primrose Hill and Leeds and Selby Railway-Tunnels. Fol. *London*, 1837.

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——. Minéraux du Pérou. Catalogue raisonné d'une collection des principaux types minéraux de la république, etc. Traduit de l'espagnol par J. B. H. Martinet. 8vo. *Paris*, 1878.

Raleigh (*Sir* Walter). History of the World. 4to.

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Ramchundra. A treatise on Problems of Maxima and Minima, solved by Algebra. [Calcutta, 1850.] Reprinted under the superintendence of A. de Morgan. 8vo. *London*, 1859.

Ramdonck (— van). Sur les ossements fossiles trouvés dans les environs de Saint-Nicolas. Rapport de M. H. Nyst. (Tract.) 8vo. *Brussels*, 1859.

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——. See BELCHER (Sir Edward), CATLOW (Agnes), and SAMARANG EXPEDITION.

Regenfuss (Franz Michael). Auserlesene Schnecken, Muscheln und andre Schaalthiere. Fol. *Copenhagen*, 1758.

Reichardt (Georg). Verzeichniss der über Bergbau und Hüttenkunde, Salinenwesen, Mineralogie, Geognosie und Geologie erschienenen Bücher, Karten und Zeichnungen. (Tract.)
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——. On the quantity of Heat developed by Water when violently agitated. (Tract.) 2 copies. 8vo. *London*, 1857.

——. Continuation of experiments to Determine the Resistances of Screw-propellers when revolving in water at different depths and velocities. (Tract.) 8vo. *London*, 1857?

——. On the Employment of Rubble Béton, or Concrete, in works of Engineering and Architecture. (Tract.). 8vo. *London*, 1858.

——. See Namur and Liége Railway.

Rennie (*Sir* John). Address to the Annual General Meeting of the Institution of Civil Engineers, January 1846. (Tract.) 4to. *London*, 1846.

Rennie (R.). Essays on the Natural History and Origin of Peat Moss, etc. 8vo. *Edinburgh*, 1810.

Renou (E.). Géologie de l'Algérie. See Algeria.

Renovantz (H. M.). Mineralogisch-geographische und andere vermischte Nachrichten von den altaischen Gebürgen, russisch kayserlichen Antheils. 4to. *Reval*, 1788.

Rentzsch (—). Die Pechsteine des Meissner Porphyrdistricts. (Tract.) 8vo. *Dresden*, 1860.

Reports, Colonial, etc.

——. Cape of Good Hope. Report of the Board of Commissioners of Public Roads. (Tract.) Fol. *Capetown*, 1848.

——. India. Reports of a Committee for investigating the Coal and Mineral Resources of India. (Tract.) 8vo. *Calcutta*, 1838.

Reports, Colonial, etc.

——. India. Reports of a Committee for investigating the Coal and Mineral Resources of India, for May 1845. Levels of Indian Coal-fields. Fol. *Calcutta*, 1846.

——. ——. Abstract of the Proceedings of a Committee for the investigation of the Coal and Mineral Resources of India, brought up to April, 1842, by the Secretary [J. McClelland]. Fol. *Calcutta*, 1842.

——. ——. Report on the Survey of India, for the three years ending 1858–59, by Sir A. S. Waugh. Fol. *London*, 1861.

——. ——. ——. Annual Report of Progress . . . . 1859–60. Fol. *Calcutta*.

——. ——. Report on the Establishment of Museums, by E. Balfour. Fol. *Madras*, 1855.

——. ——. Correspondence between the Government of India and the Asiatic Society of Bengal relative to the establishment of a Public Museum in Calcutta. Fol. *Calcutta*, 1859.

——. See India, Carter (H. J.), Morris (J. H.), and Tremenheere (G. B.).

——. New Brunswick. Report on the Agricultural Capabilities of the Province, by J. F. W. Johnston. 8vo. *Fredericton*, 1850.

——. New South Wales. Coal and Collieries, by W. Keene. Fol. *Newcastle, N. S. W.*, 1862.

——. ——. Papers relative to Geological Surveys, 1851. With Reports by S. Stutchbury. Fol. *Melbourne*, 1851.

——. ——. ——, 1852. With Reports by W. B. Clarke, S. Stutchbury, and E. H. Hargreaves. Fol. *Melbourne*, 1852.

——. ——. ——, 1852. With Reports by W. B. Clarke. Fol. *Melbourne*, 1852.

——. ——. Papers relative to the Gold districts. Fol. *Melbourne*, 1852.

——. ——. Papers relative to Geological Surveys, 1853. Two letters from W. B. Clarke. Fol. *Melbourne*, 1853.

——. ——. Papers relative to Geological and Mineralogical Surveys. Report by S. Stutchbury. Fol. *Melbourne*, 1853.

——. ——. Discovery of Gold in Australia. Appendix to answers 12 and 13* in the evidence of the Rev. W. B. Clarke. Fol. *Melbourne*, 1854.

——. ——. ——. Sir R. Murchison's Claim. Fol. *Melbourne*, 1854.

——. ——. Mines and Mineral Statistics of New South Wales, and Notes on the Geological Collection of the Department of Mines; also Remarks on the Sedimentary Formations of N. S. Wales, by W. B. Clarke; and Notes on the Iron and Coal Deposits, Wallerawang, and on the Diamond Fields, by Professor Liversedge. 8vo. *Sydney*, 1875.

——. ——. Mines and Mineral Statistics. Report of the Department of Mines for the year 1876. 2 copies. Fol. *Sydney*, 1877.

Reports, Colonial, etc.

——. New South Wales. Department of Mines. Annual Report for the year 1877. (Tract.) Fol. *Sydney*, 1878.

——. ——. Railways. Report on their construction and working during 1876, by J. Rae. Fol. *Sydney*, 1877.

——. New Zealand. Lecture on the Geology of the province of Nelson, by F. Hochstetter. Fol. *Auckland*, 1859.

——. ——. Geological tour in the Wairarapa and East Coast Country, New Zealand, by J. C. Crawford. Fol. *Wellington*, 1861.

——. ——. Notes on the Geology of the province of Canterbury, N. Z., by Julius Haast. 2 copies. Fol. *Christchurch*, 1862.

——. ——. Geological and other Reports, by J. C. Crawford. Fol. *Wellington*, 1862–64.

——. ——. Geological Expedition to the West Coast of Otago, New Zealand, by J. Hector. Fol. *Dunedin*, 1863.

——. ——. Report on the Geological Survey of the province of Canterbury. Session XXII., 1864, by J. Haast. 2 copies. Fol. *Christchurch*, 1864.

——. ——. Report on the Formation of the Canterbury Plains, by J. Haast. 2 copies. Fol. *Christchurch*, 1864.

——. ——. Report upon the Plains and Rivers of Canterbury, New Zealand, by W. T. Doyne. Fol. *Christchurch*, 1864.

——. ——. Second Report upon the River Waimakariri and the Lower Plains of Canterbury, New Zealand, by W. T. Doyne. Fol. *Christchurch*, 1865.

——. ——. Report on the Geological Formation of the Timaru District [New Zealand], in reference to obtaining a supply of water, by J. Haast. Fol. *Christchurch*, 1865.

——. ——. Report on the Headwaters of the River Waitaki [New Zealand], by J. Haast. Fol. *Christchurch*, 1865.

——. ——. Report on the Geological Exploration of the West Coast [Canterbury, New Zealand], by J. Haast. Fol. *Christchurch*, 1865.

——. ——. Lecture on the West Coast of Canterbury, by J. Haast. Fol. *Christchurch*, 1865.

——. ——. Theory for the Discovery of Gold in this Province, etc., by J. C. Crawford. Fol. *Wellington*, 1861.

——. ——. Essays on the subject of the Settlement of the Gold-mining population in New Zealand, by R. H. Eyton, F. W. Hutton, and E. T. Gillon. Fol. *Wellington*, 1869.

——. ——. Report relative to the Thames Gold Fields [N. Z.], by James Mackay, jun. Fol. *Wellington*, 1869.

——. ——. Report on the Gold Fields of New Zealand, by C. E. Haughton. (Tract.) Fol. *Wellington*, 1872.

——. ——. Further reports upon the Gold Fields of New Zealand. Auckland, by Thomas B. Gillies. (Tract.) Fol. *Wellington*, 1872.

——. ——. Report of the Gold-Fields Committee. (Tract.) Fol. *Wellington*, 1872.

——. ——. On the Coal Measures and Lignitiferous Beds of the River Kowai, tributary of the River Waimakariri (Canterbury, New Zealand), by J. Haast. Fol. *Christchurch*, 1863.

Reports, Colonial, etc.

——. New Zealand. Report on the Petroleum found at Taranaki, by James Hector. (Tract.) Fol. *Wellington*, 1866.

——. ——. The Coal Fields of New Zealand. (Tract.) Fol. *Wellington*, 1873.

——. Nova Scotia. Nova-Scotia Gold Fields, by J. Howe. Fol. *Halifax, N. S.*, 1861.

——. ——. Report of the Gold Commissioner [Samuel Creelman] for the year 1862. (Tract.) 8vo. *Halifax, N. S.*, 1863.

——. ——. Inspector of Mines' [S. P. Fairbank's] Report—Mines and Minerals. Fol. *Halifax, N. S.*, 1864.

——. ——. Report of the Chief Commissioner of Mines for the year 1865. (Tract.) 8vo. *Halifax, N. S.*, 1866.

——. ——. Report of the Chief Commissioner of Mines for the year 1869. 8vo. *Halifax, N. S.*, 1870.

——. ——. Report of the Department of Mines . . . for the years 1875, 1876, 1877, and 1878. 8vo. *Halifax, N. S.*, 1876–78.

——. Queensland. Geological character of Northern Australia, as affecting its geographical features. (Newspaper cutting.) No date.

——. ——. Report on the Geology and Mineral Resources of the district between Charters Towers Gold-fields and the coast, by R. L. Jack. Fol. *Brisbane*, 1879.

——. ——. Report to the Honourable the Minister for Mines on the Normanby and Marengo Gold-fields, by R. L. Jack. 4to. *Brisbane*, 1879.

——. ——. Report on the Bowen-River Coal-field, by R. L. Jack. With a geological sketch map. Fol. *Brisbane*, 1879.

——. South Australia. Mr. Ernest Giles's Explorations, 1872. (Tract.) Fol. *Adelaide*, 1873.

——. ——. Mr. J. Ross's Explorations, 1874. (Tract.) Fol. *Adelaide*, 1875.

——. ——. Report on the Lake-Eyre Expedition. (Tract.) Fol. *Adelaide*, 1875.

——. ——. Journal of Mr. Lewis's Lake-Eyre Expedition, 1874–5. (Tract.) Fol. *Adelaide*, 1875.

——. ——. Giles's Explorations, 1875. (Tract.) Fol. *Adelaide*, 1876.

——. ——. Lieut. Goalen's Survey of Port Adelaide. (Tract.) Fol. *Adelaide*, 1875.

——. ——. Australian Coast-line and Ports. (Tract.) Fol. *Adelaide*, 1876.

——. ——. Navigability of Murray Mouth. (Tract.) Fol. *Adelaide*, 1876.

——. ——. Improvement of Semaphore Harbor. (Tract.) Fol. *Adelaide*, 1876.

——. ——. Sections of Port Adelaide Creek. (Tract.) Fol. *Adelaide*, 1876.

——. ——. Report fro m the Public Works Department for the year 1875. (Tract.) Fol. *Adelaide*, 1876.

——. ——. Statistical Register of South Australia for 1875. (Tract.) Fol. *Adelaide*, 1876.

Reports, Colonial, etc.

——. South Australia. Register of the Rainfall kept in Grote Street, Adelaide, by Sir George Strickland Kingston, from January 1, 1839, to December 16, 1879, both inclusive. Fol. *Adelaide*, 1879.

——. Tasmania. Report upon the Resinous Shales . . . near . . . the River Mersey, by C. Gould. Fol. *Tasmania*, 1861.

——. ——. Report on the Coal-fields of the Fingal District, by Charles Gould. Fol. *Tasmania*, 1861.

——. Victoria. Statistical Notes on the Progress of Victoria from the foundation of the Colony (1835–1860). First series. Parts I. and II. By William Archer. Fol. *Melbourne*.

——. ——. Statistical Register, from the foundation of the Colony, with an Astronomical Calendar for 1855. Edited by William Henry Archer. 8vo. *Melbourne*, 1854.

——. ——. Report of the Registrar-General on the Progress and Statistics from 1851 to 1858. (Tract.) 8vo. *Melbourne*, 1859?

——. ——. Board of Science. Second Annual Report. Fol. *Melbourne*, 1859–60.

——. ——. Mining Surveyors' Reports; furnished by the Mining Surveyors of Victoria to the Board of Science. Nos. 1–15 and 23. 8vo. *Melbourne*, 1859–61.

——. ——. Reports of the Mining Surveyors and Registrars. Quarter ending 30th September, 1866. (Tract.) Fol. *Melbourne*, 1866.

——. ——. Reports of the Mining Surveyors and Registrars, 1877, 1878, and 1879. (Tracts.) Fol. *Melbourne*, 1877–79.

——. ——. Mineral Statistics for the year 1866. (Tract.) Fol. *Melbourne*, 1866.

——. ——. Mineral Statistics of Victoria for the year 1878. Fol. *Melbourne*, 1879.

——. ——. Report of the Chief Inspector of Mines to the Honourable the Minister of Mines for the year 1878. Fol. *Melbourne*, 1879.

——. ——. Reports of the Mining Surveyors and Registrars from the Quarter ending 31st Dec., 1878, to that ending 30th June, 1879. Fol. *Melbourne*, 1879.

——. ——. Mining and Geological Survey. Reports and papers relative to the Mining and Geological Survey in 1863; also geological sketch map to accompany same. By A. R. C. Selwyn. Fol. *Melbourne*, 1863.

——. ——. Geological Survey. Report of the Director . . . from June, 1863, to September, 1864. 2 copies. Fol. *Melbourne*, 1865.

——. ——. Report of Geological Department on auriferous drifts and quartz reefs. Fol. *Melbourne*, 1866.

——. ——. Report on the Physical Character and Resources of Gippsland. By the Surveyor-General and the Secretary for Mines (A. J. Skene and R. Brough Smyth). 8vo. *Melbourne*, 1874.

——. ——. Gold-Fields Statistics, 1861. Fol. *Melbourne*, 1862.

——. ——. Second and Third Meteorological Reports, with diagrams of Barometric Pressure, etc., by R. Brough Smyth. (Tract.) Fol. *Melbourne*, 1856–58.

Reports, Colonial, etc.

——. Victoria. Abstract of Specifications of Patents applied for from 1854–1866. Vol. I. Ac to Bu. Vol. II. Metals. Part I. Fol. *Melbourne*, 1870–76.

——. ——. Abstracts of Specifications of Patents applied for from 1854 to 1856. Metals. Part I. By W. H. Archer. Fol. *Melbourne*, 1872.

——. ——. Patents and Patentees. Vols. I.–VI. and VIII. & IX. By William Henry Archer. (Tracts.) Fol. *Melbourne*, 1873–77.

Reports, Parliamentary.

——. America, North. Papers relative to the Exploration, by Capt. Palliser, of that portion of British North America which lies between the northern branch of the River Saskatchewan and the frontier of the United States, and between the Red River and Rocky Mountains. Fol. *London*, 1859.

——. ——. ——. Further Papers. Fol. *London*, 1860.

——. Building Stone. Reports with reference to the selection of stone for building the New Houses of Parliament, by C. Barry, H. T. De la Beche, W. Smith, and C. H. Smith. Fol. *London*, 1839.

——. ——. Letter from Mr. Barry . . . reporting particulars of tour of inspection of Magnesian Limestone Quarries in the counties of Nottingham, Derby, and York. Fol. *London*, 1839.

——. ——. Report of the Committee on the Decay of the Stone of the New Palace at Westminster. Fol. *London*, 1861.

——. Ceylon. Dr. Gygax's Geological Survey of Ceylon. Fol. *London*, 1848?

——. Coal. First and Second Reports [Museum of Practical Geology] on the Coals suited to the Steam Navy, by Sir H. De la Beche and L. Playfair. Fol. *London*, 1848–49.

——. ——. Papers respecting the nature and quantity of the Coal derivable from the Mines near Heraclea, on the Euxine, &c. Fol. *London*, 1854.

——. ——. Report on Australian Coal, by Daniel Cooper. Fol. *London*, 1862.

——. ——. Copy of Dr. M'Clelland's Report on the Coal-fields of India. Fol. *London*, 1863.

——. ——. Report of the Commissioners appointed to inquire into the several matters relating to Coal in the United Kingdom. 3 vols., with maps and sections. Fol. *London*, 1871.

——. Collieries. Reports on the Gases and Explosions in Collieries, by Sir H. T. De la Beche, L. Playfair, W. W. Smyth. Fol. *London*, 1847.

——. ——. Report from the Select Committee on Coal Mines, together with the proceedings of the Committee, Minutes of Evidence, Appendix and Index. Fol. *London*, 1852.

——. ——. Reports of the Inspectors . . . for the years 1860–61. By Messrs. Dunn, Atkinson, Dickinson, Higson, Hedley, Wynne, Brough, Baker, Evans, Williams, Alexander, and Morton. Fol. *London*, 1861–62.

——. ——. Report on the Oaks Colliery Explosion, with Minutes of Evidence, etc., by J. K. Blackwell. Fol. *London*, 1867.

Reports, Parliamentary.

——. Collieries. Communications respecting the Coal Mines of India. [Appendix to the Third Report.] 4to. *London*, 1829?

——. See also Mines.

——. Geological Survey. Return relative to the Geological Survey. Fol. *London*, 1856.

——. Gold. Discovery of Gold in Australia. Reports presented . . . in February 1852, February and August 1853, February and December 1854, July 1855, February and July 1856, and August 1857. Fol. *London*, 1852–57.

——. ——. Copies or extracts of Correspondence relative to the Discovery of Gold in the Fraser's River District, in British North America. Fol. *London*, 1858.

——. Harbours. Tidal Harbours Commission. First Report. Fol. *London*, 1845.

——. ——. Report of the Commissioners upon the subject of Harbour Refuge. Fol. *London*, 1845.

——. Hudson's Bay. Report from the Select Committee on the Hudson's Bay Company. 2 copies. Fol. *London*, 1857.

——. Ireland. First and second Reports of the Commissioners appointed to enquire into the nature and extent of the Bogs in Ireland, with Appendices. Fcap. fol.; Atlas, fol. *London*, 1810.

——. Mines. Report from the Committee appointed to inquire into the state of the Copper Mines and Copper Trade of this Kingdom. 8vo. *London*, 1799.

——. ——. Report on Ventilation of Mines, by J. K. Blackwell. Fol. *London*, 1850.

——. ——. Report from the Select Committee on Accidents in Mines, together with the Minutes of Evidence and Index. Fol. *London*, 1835.

——. ——. Accidents in Mines; Report of the Select Committee of the House of Lords appointed to inquire into the best means of preventing their occurrence; together with the Minutes of Evidence and an Appendix and Index thereto. Fol. *London*, 1849.

——. ——. Report on the Ventilation of Mines and Collieries, by John Phillips. Fol. *London*, 1850.

——. ——. Reports on Coal Mines, by M. Dunn, J. Dickinson, and C. Morton. Fol. *London*, 1851.

——. ——. Report of the Commissioners appointed to inquire into the condition of all Mines in Great Britain to which the provisions of the Act 23 & 24 Vic. do not apply. . . . With appendices. (Tract.) 8vo. *London*, 1864.

——. ——. Minutes and epitome of Evidence taken before the Commissioners appointed to inquire into the condition of all Mines in Great Britain to which the provisions of the Act 23 & 24 Vic. cap. 151 do not apply. 2 vols. Fol. *London*, 1864.

——. ——. ——. Appendix B to the Report of the (said) Commissioners. Fol. *London*, 1864.

Reports, Parliamentary.

——. Mines. Return of the Plans and Sections of the Metalliferous Mines of the United Kingdom which are deposited in the Mining Record Office. By R. Hunt. Fol. *London*, 1865.

——. ——. Reports of the Inspectors . . . for the years 1867 and 1868. By Messrs. Atkinson, Dickinson, Higson, Evans, Wynne, Brough, Baker, Wales, Moore, Alexander, Southern, and Wardell. Fol. *London*, 1868–69.

——. ——. Reports relative to the administration of Mines in Belgium and Prussia. Fol. *London*, 1874.

——. ——. Mines classed under the Coal-Mines Regulation Act. Summaries of the statistics for the twelve districts under the Coal-Mines Regulation Act, for the year 1878. Mines classed under the Metalliferous Mines Regulation Act. Summaries of the persons employed, mining produce, etc., for the year 1878. With Dr. C. Le Neve Foster's Report on Devonshire, Cornwall, etc. Fol. *London*, 1879.

——. See also Collieries.

——. New York Industrial Exhibition. Sir Charles Lyell's special report on the Geological, Topographical, and Hydrographical Departments. Fol. *London*, 1854.

——. Noxious Vapours. Report . . . on injury from Noxious Vapours, together with the proceedings of the Committee, minutes of evidence, and appendix. Fol. *London*, 1862.

——. Ordnance Maps. Correspondence respecting the scale for the Ordnance Survey, and upon Contouring and Hill Delineation. Fol. *London*, 1854.

——. Salt. Copy of a Report on the subject of the Landslips in the Salt Districts, made to Her Majesty's Secretary of State for the Home Department by Joseph Dickinson. Fol. *London*, 1873.

——. Tithe Survey. Return to an order of the House of Commons for Copy of Papers respecting the proposed Survey of Lands under the Tithe Act. (Tract.) Fol. *London*, 1837.

——. Water Supply. Supply of Water in the Metropolis. Fol. *London*, 1828.

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——. ——. Royal Commission. Report of the Commissioners (2 copies), with minutes of evidence and appendix thereto. Fol. *London*, 1869.

——. ——. Return relating to Urban Water Supply. 4to. *London*, 1879.

Repp (T. G.). See Rask (E.).

Reul (X. de). (Musée Royal d'histoire naturelle de Belgique.) Guide dans les collections préhistoriques des âges de la pierre. 2me édition. (Tract.) 2mo. *Brussels*, 1874.

Reuss (August Emil). Die Versteinerungen der böhmischen Kreide-formation. 4to. *Stuttgart*, 1845–46.

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——. Zur Fauna des deutschen Oberoligocäns. I. and II. (Tracts.) 8vo. *Vienna*, 1864.

——. Die Foraminiferen und Ostracoden der Kreide am Kanara-See bei Küstendsche. (Tract.) 8vo. *Vienna*, 1865.

——. Zwei neue Anthozoen aus den Hallstädter Schichten. (Tract.) 8vo. *Vienna*, 1865.

——. Die Foraminiferen, Anthozoen und Bryozoen des deutschen Septarienthones. 4to. *Vienna*, 1866.

——. Die Bryozoen, Anthozoen und Spongiarien des braunen Jura von Balin bei Krakau. (Tract.) 8vo. *Vienna*, 1866.

——. Die Bryozoen, Anthozoen und Spongiarien des braunen Jura von Balin bei Krakau. (Tract.) 4to. *Vienna*, 1867.

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——. See Nyst (H.).

Reuss (Franz Ambros). Orographie des nordwestlichen Mittelgebirges in Böhmen. 8vo. *Dresden*, 1790.

——. Mineralogische Geographie von Böhmen. 2 vols. 4to. *Dresden*, 1793–97.

——. Sammlung naturhistorischer Aufsätze, mit vorzüglicher Hinsicht auf die Mineralgeschichte Böhmens. 8vo. *Prague*, 1796.

——. Neues mineralogisches Wörterbuch.—Lexicon mineralogicum, sive Index latino-gallico-italico-svecico-danico-anglico-russico-hungarico-germanicus, complectens omnia nomina, quæ oryctognosiæ et geognosiæ inserviunt, etc. 8vo. *Hoff*, 1798.

——. Mineralogische Beschreibung der Herrschaften Unterbrzezan, Kamenitz, und Manderscheid im Kaurzimer Kreise. 8vo. *Hoff*, 1799.

——. Lehrbuch der Mineralogie nach des Herrn O. B. R. Karsten mineralogischen Tabellen. 3 vols. 8vo. *Leipzig*, 1801–02.

——. Lehrbuch der Mineralogie nach des Herrn B. R. Karsten mineralogischen Tabellen. Dritten Theils. Band I. und II. 8vo. *Leipzig*, 1805.

——. Mineralogische und bergmännische Bemerkungen über Böhmen. 8vo. *Berlin*, 1801.

Rexès (F. G.). Le Phylloxéra détruit et la vigne régénérée par l'emploi rationnel de la potasse, etc. (Tract.)
8vo. *Angoulême* (imp. *Montdidier*), 1876.

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8vo. *Vienna*, 1877.

Reynès (P.). Etudes sur le synchronisme et la délimitation des terrains crétacés du sud-est de la France. (Tract.)
8vo. *Paris*, 1861.

——. Essai de géologie et de paléontologie aveyronnaises.
8vo. *Paris*, *Berlin*, and *Marseilles*, 1868.

——. Monographie des Ammonites. 8vo; Atlas, 4to. *Paris*, 1867.

Reynolds (J. Emerson) and **Ball** (Valentine). On an Artificial Mineral produced in the manufacture of basic bricks at Blaenavon, Monmouthshire. (Tract.) 8vo. *Dublin*, 1879.

Rhind (William). Excursions illustrative of the Geology and Natural History of the environs of Edinburgh.
8vo. *Edinburgh* and *London*, 1833.

——. ——. 2nd edition. 8vo. *Edinburgh*, 1836.

Rhode (J. G.). Beiträge zur Pflanzenkunde der Vorwelt. Nach Abdrücken im Kohlenschiefer und Sandstein aus schlesischen Steinkohlenwerken. Fol. *Breslau*, 1820.

Ribbentrop (Gottlieb). Ueber die Blitzröhren oder Fulguriten, und besonders über das Vorkommen derselben am Regensteine bei Blankenburg. (Tract.) 8vo. *Brunswick*, 1830.

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——. See Surveys: Portugal.

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Ricci (Giuseppe), etc. Raccolta di osservazioni intorno gli effetti terapeutici e le cure per l'acqua termo-minerale vesuviana nunziante. Fascicoli 10 ed 20. (Tracts.) 8vo. *Naples*, 1833–34.

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Richardson (*Dr.*). See Armstrong (W. G.).

Richardson (G. F.). Geology for Beginners. 8vo. *London*, 1842.

——. See Mantell (Gideon Algernon).

Richardson (*Sir* John). The Polar Regions. 8vo. *Edinburgh*, 1861.

——. See Belcher (*Sir* Edward), Franklin (*Sir* John), Herald Expedition, and Samarang Expedition.

Richardson (Joshua). On the Prevention of Accidents in Mines.
8vo. *Neath* and *London*, 1848.

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Richardson (William). A Letter on the alterations that have taken place in the structure of rocks, on the surface of the basaltic country in the counties of Derry and Antrim. (Tract.) 4to. *London*, 1808.

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——. ——. 2nd letter. (Tract.) 8vo. *Newry*, 1816.

——. On the similitude, and difference, in the original formation of the Island of St. Helena, and the basaltic districts in the county of Antrim, etc. (Tract.) 8vo. *Newry*, 1816.

——. Remarks on Mr. Whitehurst's inquiry as to the Original State and Formation of the Earth. (Tract.) 8vo. *Newry*, 1816.

——. A description of the Basaltic coast from Magilligan to Glenarm. (Tract.) 8vo. *Newry*, 1817.

——. Observations on Memoirs published by the Geological Society, respecting the North-eastern Counties of Ireland. (Tract.) 8vo. *Newry*, 1817.

Richter (Reinhard). (Beitrag zur Paläontologie des Thüringer-Waldes.) Die Grauwacke des Bohlens und des Pfaffenberges bei Saalfeld. I. Fauna. (Tract.) 4to. *Dresden* and *Leipzig*, 1848.

Richter (Th.). See Plattner (K. F.).

Richthofen (Ferdinand von). Ueber die Bildung und Umbildung einiger Mineralien in Süd-Tirol. (Tract.) 8vo. *Vienna*, 1858.

——. First preliminary notice of Geological Explorations in China. (Tract.) 2 copies. 8vo. *Philadelphia*, 1869.

——. China. Ergebnisse eigener Reisen und darauf gegründeter Studien. Band I. 4to. *Berlin*, 1877.

——. See Hauer (Franz von).

Rickard (F. Ignacio). A mining journey across the Great Andes. 8vo. *London*, 1863.

——. The Mineral and other resources of the Argentine Republic (La Plata) in 1869. 8vo. *London*, 1870.

Ricketts (Charles). Essays on Physical Geology. 8vo. *Liverpool*, 1873.

——. The Metamorphic Rocks of the Malvern Range, and the strata derived from them. (Tract.) 8vo. *Liverpool*, 1874.

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Ricketts (Charles). Remarks on the Country around the Wrekin; a comparison of the Carboniferous rocks of Coalbrook Dale with those of other districts. (Tract.) 8vo. *Liverpool*, 1876.

——. The conditions existing during the Glacial Period; with an account of the glacial deposits in the valley between Tranmere and Oxton. (Tract.) 8vo. *Liverpool*, 1878.

Rico y Sinobas (Manuel). See ALFONSO X. OF CASTILE.

Ridgway (Robert). Studies of the American Falconidæ. (Tract.) 8vo. *Washington*, 1876.

——. Studies of the American Herodiones. Part I. (Tract.) 8vo. *Washington*, 1878.

——. See SURVEYS: UNITED STATES.

Riepl (Franz). Darstellung der Eisenerz-Gebilde in den Gebirgen der österr. Monarchie, welche im Norden der Donau liegen. (Tract.) 8vo. *Vienna*, 1821.

Riess (Johann Philipp). Mineralogische und bergmännische Beobachtungen über einige hessische Gebirgsgegenden; herausgegeben von D. L. G. Karsten. (Tract.) 8vo. *Berlin*, 1791.

——. See FARADAY (Michael).

Riflault (J.) and **Vergnaud** (A. D.). Manuel du peintre en bâtimens, du doreur et du vernisseur. 12mo. *Paris*, 1827.

Rigaux (E.). Notice stratigraphique sur le Bas-Boulonnais. (Tract.) 8vo. *Boulogne*, 1865.

——. Notes pour servir à la géologie du Boulonnais. (Tract.) 8vo. *Boulogne*, 1873.

——. See SAUVAGE (H. E.).

—— and **Sauvage** (H. E.). Description de quelques espèces nouvelles de l'étage Bathonien du Bas-Boulonnais. (Tract.) 2 copies. 8vo. *Boulogne*, 1868.

Rigg (Jonathan). Sketch of the Geology of Jasinga. (Tract.) 8vo. *Batavia*, 1838.

Riley (Bennet). See CALIFORNIA.

Rimrod (Friedrich August). Beyträge für die Bildungsgeschichte der Erdfläche, besonders für die Urbildung der Thäler und Berge. (Tract.) 8vo. *Jena*, 1800.

Ringgold (Cadwalader). A series of charts, with sailing directions, embracing surveys of the State of California. 4th edition. 8vo. *Washington*, 1852.

Rink (H.). Die nikobarischen Inseln. 8vo. *Copenhagen*, 1847.

——. Om den geographiske beskaffenhed af de danske handelsdistrikter i Nordgrönland tillegemed en udsigt over Nordgrönlands geognosi. (Tract.) 4to. *Copenhagen*, 1852.

——. See JOHNSTRUP (Fr.).

Riolani (D.). Anthropologie. L'ancienneté de l'homme. 8vo. *Paris*, 1873.

Risso (J. A.). Essai sur l'histoire naturelle des Orangers, Bigaradiers, Limettiers, Cédratiers, Limoniers, ou Citronniers, cultivés dans le département des Alpes maritimes. (Tract.) 4to. *Paris*, 1813.

——. Histoire naturelle des Crustacés des environs de Nice. 8vo. *Paris*, 1816.

——. Mémoire sur deux nouvelles espèces de poissons du genre Scopèle observées dans la mer de Nice. (Tract.) 4to. *Turin*, 1820.

Risso (J. A.). Histoire naturelle des principales productions de l'Europe méridionale et particulièrement de celles des environs de Nice et des Alpes maritimes. 5 vols. 8vo. *Paris*, 1826.

Ritter (Albert). Lucubratiuncula I. de Alabastris Hohnsteinensibus nonnullisque aliis ejusdem loci rebus naturalibus. (Tract.) 4to. *Helmstadt*, 1731.

——. Lucubratiuncula II. de Alabastris Schwartzburgicis, etc. (Tract.) 4to. *Helmstadt*, 1732.

——. Epistolica Oryctographia Goslariensis. (Tract.) 4to. *Helmstadt*, 1733.

——. De fossilibus et naturæ mirabilibus Osterodanis. (Tract.) 4to. *Sondershausen*, 1734.

Ritter (Carl). Obituary Notice. See GUYOT (Arnold).

——. Entwurf zu einer Karte vom ganzen Gebirgssysteme des Himálaja nach den Quellenangaben. (Tract.) 4to. *Berlin*, 1832.

——. Vergleichende Erdkunde von Arabien. 2 vols. 8vo. *Berlin*, 1846–47.

——. Ueber Dr. H. Barth und Dr. Overwegs Begleitung der J. Richardson'schen Reiseexpedition zum Tschad-See und in das innere Africa. (Tract.) 8vo. *Berlin*, 1850.

——. Ueber räumliche Anordnungen auf der Aussenseite des Erdballs, etc. (Tract.) 4to. *Berlin*, 1850.

Ritter (Christian Wilhelm). Beschreibung merkwürdiger Berge, Felsen und Vulkane. Ein Beytrag zur physikalischen Geschichte der Erde. 2 vols. 8vo. *Posen* and *Leipzig*, 1806.

Rivero (Mariano Eduardo de). Noticia sobre el rio llamado Vinagre. (Tract.) 8vo. *Lima*, 1826.

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——. Jeolojia de Chile. (Newspaper cutting.) *Valparaiso*, 1836.

——. Memoria sobre el rico mineral de Azogue de Huancavelica. (Tract.) 4to. *Lima*, 1848.

—— and **Boussingault** (J. B.). Memoria sobre la leche del arbol de la vaca. (Tract.) 8vo. *Bogota*, 1823.

Rivett-Carnac (H.). See CARNAC (H. Rivett-).

Rivière (A.). Etudes géologiques faites aux environs de Quimper, et sur quelques autres points de la France occidentale. (Tract.) 8vo. *Paris*, 1838.

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——. Extrait d'un mémoire sur les filons metallifères, principalement sur les filons de blende et de galène que renferme le terrain de la Grauwacke de la rive droite du Rhin, dans la Prusse. (Tract.) 8vo. *Paris*, 1849.

——. See SERIALS, ETC.: PARIS. Annales des Sciences Géologiques.

Rivière (Emile). Paléoethnologie, De l'antiquité de l'homme dans les Alpes maritimes. Livr. 1–6. 4to. *Paris*, 1878–79.

Robberds (J. W., jun.). Geological and Historical Observations on the Eastern Valleys of Norfolk. 8vo. *Norwich*, 1826.

Robert (Félix). Mémoire sur les ossemens fossiles des environs de Cussac, commune de Polignac, Haute-Loire. (Tract.) 8vo. *Puy*, 1830.

Roberton (John). The Insalubrity of the deep Cornish Mines, and, as a consequence, the physical degeneracy and early deaths of the mining population. (Tract.) 8vo. *London*, 1859.

Roberts (George). Etymological and Explanatory Dictionary of the terms and language of Geology. 8vo. *London*, 1839.

——. An account of the mighty landslips at Dowlands and Bindon, near Lyme Regis, 1839. (Tract.) 2 copies. 8vo. *Lyme*, 1840.

Roberts (George E.). The Rocks of Worcestershire. 8vo. *London*, 1860.

——. Remarks on the Present Condition of Geological Science. (Tract.) 8vo. *London*, 1864.

——. See Morris (John).

Robertson (David). See Brady (George Stewardson) and British Association: Glasgow Guide Books.

Robinet (S.). See Chevallier (J. B. A.).

Robinson (Charles). The Progress and Resources of New South Wales. (Tract.) 8vo. *Sydney*, 1877.

Robinson (C. G.). See Admiralty Publications.

Robinson (Frederick). Refutation of Lieutenant Wellsted's attack upon Lord Valentia's work upon the Red Sea. (Tract.) 4to. *London*, 1842.

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Robinson (John). An easy mode of ascertaining the capabilities of Soil, tests for the purity of Artificial Manures, etc. New edition. (Tract.) 8vo. *London*, 1863.

Robinson (John). Check List of the Ferns of North America north of Mexico. (Tract.) 8vo. *Salem, Mass.*, 1873.

Robinson (Thomas). New observations on the Natural History of this World of Matter, and this World of Life, etc. 8vo. *London*, 1696.

Robinson (*Rev. Dr.*). See Rosse (*Earl of*).

Robson (Thomas Charles). A Treatise on Marine Surveying. 8vo. *London*, 1834.

Rochester University. Ward cabinets of Mineralogy and Geology lately presented to the University of Rochester. Notice. (Tract.) 8vo. *Rochester, N. Y.*, 1863.

Rogers (Charles). The Serpent's Track. A narrative of twenty-two years' persecution. 8vo. *London*, 1880.

Rogers (Henry Darwin). On the Falls of Niagara, and the reasonings of some authors respecting them. (Tract.) 8vo. *New Haven*, 1835.

——. First Annual Report of the State Geologist (of Pennsylvania). (Tract.) 8vo. *Harrisburg*, 1836.

——. Report on the Geological Survey of the State of New Jersey. 8vo. *Philadelphia*, 1836.

——. Report on the Geological Survey of the State of New Jersey. 2nd edition. (Tract.) 8vo. *Philadelphia*, 1836.

——. Description of the Geology of the State of New Jersey. 8vo. *Philadelphia*, 1840.

Rogers (Henry Darwin). An Inquiry into the Origin of the Appalachian Coal Strata, Bituminous and Anthracitic. (Tract.) 2 copies. 8vo. *Boston*, 1843.

——. An Address on the recent progress of Geological Research in the United States. Delivered at the fifth Annual Meeting of the Association of American Geologists and Naturalists, 1844. (Tract.) 3 copies. 8vo. *Philadelphia*, 1844.

——. On the origin of the Parallel Roads of Lochaber (Glen Roy), Scotland. (Tract.) 8vo. *London*, 1861.

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Rogers (William B.). On the Auriferous Rocks of Virginia. (Tract.) 8vo. *London*, 1836.

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Roget (Peter Mark). Thesaurus of English Words and Phrases, classified and arranged so as to facilitate the expression of Ideas and assist in Literary Composition. 15th edition. 8vo. *London*, 1864.

Roissy (Félix de). Catalogue des livres d'histoire naturelle et autres composant *sa* bibliothèque. (Tract.) 8vo. *Paris*, 1844.

Rolland du Roquan (Oscar). Rudistes du terrain crétacé des Corbières. 4to. *Carcassonne*, 1841.

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Romanowsky (G.). Взглядъ.—On the Geology of the Moscow basin. (Tract.) 8vo. *St. Petersburg*, 1863.

Romé de l'Isle (J. B. L. de). Essai de Cristallographie, ou description des figures géométriques, propres à différens corps du règne minéral, connus vulgairement sous le nom de cristaux. (Tract.) 8vo. *Paris*, 1772.

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——. Die silurische Fauna des westlichen Tennessee. Ein paläontologische Monographie. 4to. *Breslau*, 1860.

——. Geologie von Oberschlesien. 3 vols. (Text, atlas, and folded map.) 4to. *Breslau*, 1870.

——. Notiz über ein Vorkommen von oberdevonischem Goniatiten-Kalk in Devonshire. (Tract.) 8vo. *Berlin*, 1879.

——. Lethæa Geognostica, oder Beschreibung und Abbildung der für die Gebirgs-Formationen bezeichnendsten Versteinerungen. (Herausgegeben von einer Vereinigung von Paläontologen.) 1. Theil. Lethæa palæozoica, von F. R. Textband. 1te Lieferung, und Atlas. 8vo. *Stuttgart*, 1876–80.

——. See Bronn (H. G.).

Römer (Eduard). Die Familien, Genera, Subgenera und Sectionen der zweimuskeligen, kopflosen Mollusken (*Acephala lamellibranchiata dimyaria*), mit innerem Ligament. (Tract.) 4to. *Cassel*, 1863.

Römer (Friedrich Adolph). Die Versteinerungen des norddeutschen Oolithengebirges. 2 vols. 4to. *Hanover*, 1836–39.

Römer (Friedrich Adolph). Die Versteinerungen des norddeutschen Kreidegebirges. 4to. *Hanover*, 1840–41.

——. Die Versteinerungen des Harzgebirges. (Tract.) 4to. *Hanover*, 1843.

Ronconi (G. B.). Giovanni Arduino e le miniere della Toscana. (Tract.) 8vo. *Padua*, 1865.

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Roos (C.). See SARTORIUS VON WALTERSHAUSEN (W.).

Roper (Freeman C. S.). Catalogue of works on the Microscope and of those referring to microscopical subjects. 8vo. *London*, 1865.

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Rose (Heinrich). A Manual of Analytical Chemistry, translated from the German by John Griffin. 8vo. *London*, *Dublin*, and *Glasgow*, 1831.

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Rose (Karl Wilhelm). Beyträge zu den Vorstellungsarten über vulkanische Gegenstände. 8vo. *Frankfort*, 1792.

——. Fortsetsung der Beyträge zu den Vorstellungsarten über vulkanische Gegenstände. 8vo. *Frankfort*, 1793.

Rosemont (A. de Chambrun de). See CHAMBRUN DE ROSEMONT (A. de).

Rosenbusch (H.). Mikroskopische Physiographie der petrographisch wichtigen Mineralien. 8vo. *Stuttgart*, 1873.

Rosenmüller (Johann Christian). Quædam de ossibus fossilibus animalis cujusdam, historiam ejus et cognitionem accuratiorem illustrantia. (Tract.) 4to. *Leipzig*, 1794.

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Rösler (Göttlieb Friedrich). Beyträge zur Naturgeschichte des Herzogthums Wirtemberg. Erstes Heft. 8vo. *Tübingen*, 1788.

Rösler (Karl Anton). Bergmännische Nachrichten über die Gebirge und den Bergbau zu Joachimsthal. Nebst einigen Nachrichten über die Gebirge auf der Strasse von Prag bis Joachimsthal, herausgegeben von Johann Mayer. (Tract.) 8vo. *Dresden*, 1792.

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Roth (J. R.). Schilderung der Naturverhältnisse in Süd-Abyssinien. (Tract.) 4to. *Munich*, 1851.

Roth (Justus). Die Fortschritte der physikalischen Geographie. Abgedruckt aus dem Jahrgange der Fortschritte der Physik, in den Jahren 1852–1857. (2 copies for 1855.) 8vo. *Berlin*, 1853–58.

——. Beiträge zur Petrographie der plutonischen Gesteine. 4to. *Berlin*, 1873.

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Rothkirch (H. von). See Günther (W.).

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Rouault (Marie). [Notice biographique; extrait du Journal de Rennes.] (Tract.) 8vo. *Rennes*, 1855.

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Rouillier (Charles). Études paléontologiques sur les environs de Moscou. See FISCHER DE WALDHEIM (Gotthelf), Jubilæum, &c. Fol. *Moscow*, 1847.

Rouquairol (Saint-Romain). Le globe terrestre reconnu vivant, ou Physiologie de la Terre. 8vo. *Paris*, 1848.

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Royal Literary Fund. A Summary of Facts, drawn from the records of the Society and issued by the Committee in answer to allegations contained in a pamphlet entitled 'The Case of the Reformers of the Literary Fund: stated by Charles W. Dilke, Charles Dickens, and John Forster,' etc. (Tract.) 8vo. *London*, 1858.

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Rozet (Claude Antoine). See Boué (A.); and Serials, etc.: Paris. Société Géologique de France.

Rozier (François). Introduction aux observations sur la physique, sur l'histoire naturelle et sur les arts. 2 vols. 4to. *Paris*, 1777.

——. Observations et mémoires sur la physique, sur l'histoire naturelle et sur les arts et métiers. Tomes I.–XCVI. 4to. *Paris*, 1773–1823.

Rozière (— de). Description minéralogique de la vallée de Qosséyr. (Tract.) 8vo. *Paris*, 1800.

——. De l'Ibis égyptien. (Tract.) 8vo.

——. De la géographie comparée et de l'ancien état des côtes de la mer Rouge, considérés par rapport au commerce des Egyptiens dans les différens âges. (Tract.) Fol. *Paris*, 1809.

——. Mémoire sur les vases murrhins qu'on apportoit jadis en Egypte, et sur ceux qui s'y fabriquoient. (Tract.) 2 copies. Fol. *Paris*, 1809.

——. Description de Gebel Selselch, et des carrières qui ont fourni les matériaux des principaux édifices de la Thébaïde. (Tract.) Fol. *Paris*, 1809?

——. Mémoire sur l'art de faire éclore les poulets en Egypte par le moyen des fours. (Tract.) Fol. *Paris*, 1809.

Rozin (—). Essai sur l'étude de la minéralogie, avec application particulière au sol français et surtout à celui de la Belgique. 8vo. *Brussels*, 1803.

Rubesch (Joseph). See Reuss (August Em.).

Rubidge (R. N.). Section of the Zuurberg. (Tract.) 8vo. *Grahamstown*, 1857.

Rubio (Pedro Maria). Classification de las Aguas Minerales de España por razon de su temperatura. (Tract.) 4to. *Madrid*, 1850.

Rumford (Count). The complete works of Count Rumford. Published by the American Academy of Arts and Sciences. Vols. III. and IV. 8vo. *Boston*, 1874–75.

Rumine (G. de). See Gaudin (Charles Th.).

Rumph (Georg Everhard). D'Amboinsche Rariteitkamer, behelzende eene Beschryvinge van allerhande zoo weeke als harde Schaalvischen, etc. Fol. *Amsterdam*, 1741.

Rüppell (Eduard). Abbildung und Beschreibung einiger neuen oder wenig gekannten Versteinerungen aus der Kalkschieferformation von Solenhofen. (Tract.) 3 copies. 4to. *Frankfort*, 1829.

——. Nouvelle espèce de Dugong. (Tract.) 4to. *Strasburg*, 1834.

Ruprecht (J. F.). Zur Geschichte der Museen der kaiserl. Akademie der Wissenschaften. (Tract.) 4to. *St. Petersburg*, 1864.

Ruschenberger (W. S. W.). A notice of the Origin, Progress, and Present Condition of the Academy of Natural Sciences of Philadelphia. (Tract.) 8vo. *Philadelphia*, 1852.

——. ——. 2nd edition. 8vo. *Philadelphia*, 1860.

Rush (George). An account of Ascents in the Nassau and Victoria Balloons in the years 1838, 1849, and 1850. With a description of Rush's registered dials for the improved Aneroid Barometer; and an Appendix by W. H. Jones. (Tract.) 8vo. *London*, 1851.

Ruskin (John). Modern Painters. Vol. IV. 8vo. *London*, 1856.

——. Notice respecting some Artificial Sections illustrating the Geology of Chamouni. (Tract.) 8vo. *Edinburgh*.

Ruskin (John). Deucalion. Collected studies of the lapse of Waves and life of Stones. Vol. I. 8vo. *Orpington*, (1875)–79.

Russegger (Joseph). Reisen in Europa, Asien und Afrika. 7 vols. 8vo; Atlas, fol. *Stuttgart*, 1841–49.

Russell (H. C.). Climate of New South Wales: Descriptive, Historical, and Tabular. 8vo. *Sydney*, 1877.

——. See New South Wales.

Russell (Israel C.). The Physical History of the Triassic Formation of New Jersey and the Connecticut Valley. (Tract.) 8vo. *New York*, 1878.

Russell (*Lord* John). Substance of *his* Speech in the House of Commons, June 20th, 1839, on the Government Plan for promoting National Education. 7th edition. 8vo. *London*, 1839.

See also Lansdowne (*Marquess of*).

Russell (R.). See Surveys: England and Wales.

Russia. Repertorium der Literatur über die Mineralogie, etc. See Berg (Ernst von).

——. Richesses minérales. See Exhibition of 1878. Paris.

Rutherford (John). The Coal-fields of Nova Scotia. (Tract.) 8vo. *Newcastle-upon-Tyne*, 1871.

Rütimeyer (L.). Ueber das schweizerische Nummuliten-Terrain, mit besonderer Berücksichtigung des Gebirges zwischen dem Thuner See und der Emme. (Tract.) 4to. *Berne*, 1850.

——. Ueber schweizerische Anthracotherien. (Tract.) 8vo. *Basle*, 1857.

——. Untersuchung der Thierreste aus den Pfahlbauten der Schweiz. (Tract.) 8vo. *Zurich*, 1860.

——. Die Fauna der Pfahlbauten der Schweiz. (Tract.) 4to. *Zurich*, 1862.

——. Eocäne Säugethiere aus dem Gebiet des schweizerischen Jura. (Tract.) 4to. *Zurich*, 1862.

——. Beiträge zur Kenntniss der fossilen Pferde, etc. im Allgemeinen. 8vo. *Basle*, 1863.

——. Ueber Art und Race des zahmen europäischen Rindes. 4to. *Brunswick*, 1866.

——. Ueber Thal- und See-Bildung. Beiträge zum Verständniss der Oberfläche der Schweiz. 4to. *Basle*, 1869.

——. Die fossilen Schildkröten von Solothurn und der übrigen Juraformation. 4to. *Zurich*, 1873.

——. Ueber den Bau von Schale und Schädel bei lebenden und fossilen Schildkröten. 8vo. *Basle*, 1873.

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Rütimeyer (L.). Weitere Beiträge zur Beurtheilung der Pferde der Quaternär-Epoche. (Schw. paläont. Gesellschaft.) 4to. *Basle* and *Geneva*, 1875 *etc.*

——. ——. (Tract.) 4to. *Zurich*, 1875.

——. Ueber Pliocen und Eisperiode auf beiden Seiten der Alpen. Ein Beitrag zu der Geschichte der Thierwelt in Italien seit der Tertiärzeit. (Tract.) 4to. *Basle*, *Geneva*, and *Lyons*, 1876.

——. Der Rigi. Berg, Thal und See. 4to. *Basle*, *Geneva*, and *Lyons*, 1877.

——. Die Rinder der Tertiärepoche, nebst Vorstudien zu einer natürlichen Geschichte der Antilopen. (Schw. paläont. Gesellschaft.) 4to. *Basle* and *Geneva*, 1877–78.

——. ——. Theil I. & II. (Tracts.) 4to. *Zurich*, 1877–78.

——. Thierüberreste aus tschudischen Opferstätten am Uralgebirge. (Tract.) 4to.

——. See Lang (Fr.).

Rutley (Frank). Mineralogy. 8vo. *London*, 1874.

——. The Study of Rocks, an Elementary Text-book of Petrology. 8vo. *London*, 1879.

——. See Surveys: England and Wales.

Rutot (A.). Note sur la découverte de deux spongiaires ayant provoqué la formation des grès fistuleux et des tubulations sableuses de l'étage Bruxellien des environs de Bruxelles. (Tract.) 8vo. *Brussels*, 1874.

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Rutot (A.). See Lefèvre (Théodore).

Ryckholt (P. de). Résumé géologique sur le genre *Chiton*, Lin. (Tract.) 8vo. *Brussels*, 1845.

——. Mélanges paléontologiques. Parts 1 and 2. (Tract.) 4to. *Brussels*, 1850–52.

Rye (E. C.). Entomological Rambles round London. (Tract.) 8vo. *London*, 1875.

S.

S * * * (J.). See Gellert (C. E.).

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——. Report on the Variations of the Magnetic Intensity observed at different points of the Earth's Surface. 8vo. *London*, 1838.

——. See Dove (Professor); Hobart Town, St. Helena, and Toronto, Meteorological Observatories; and Surveys: Great Britain, Ordnance Survey.

Sabine (Mrs., *afterwards* Lady). See Humboldt (Alexander von).

Sacken (C. R. Osten). Western Diptera: descriptions of new genera and species of Diptera from the region west of the Mississippi, and especially from California. (Tract.) 8vo. *Washington*, 1877.

Sade (Chevalier de). De la Tydologie, ou de la Science des Marées. 1re partie. (Tract.) 8vo. *London*, 1810.

Sadebeck (Alexander). See Von der Decken (Carl Claus). Reisen in Ost-Africa in 1859–65.

Sadler (John). On the Dislocation of Veins. (Tract.) Fol. *MS.*, 1814.

Saenz (Nicolas). Contribuciones al estudio geognostico de una seccion de la Cordillera Oriental comprendida entre los 4° y 5° latitud norte del meridiano de Bogota. (Tract.) 4to. *Bogota*, 1878.

Safford (James M.). Geology of Tennessee. 8vo. *Nashville*, 1869.

St.-Clair (George). Darwinism and Design, or Creation by Evolution. 8vo. *London*, 1873.

Saint-Fond (B. Faujas de). See Faujas de St.-Fond (B.).

St. Helena. Meteorological Observatory. Observations made at the Magnetical and Meteorological Observatory at St. Helena, printed under the superintendence of Edward Sabine. Vols. I. and II. 4to. *London*, 1847–60.

Saint-Hilaire (Auguste de). Suite du mémoire sur les plantes auxquelles on attribue un placenta central libre, et revue des familles auxquelles ces plantes appartiennent. (Tract.) 4to. *Paris*, 1818.

St.-Hilaire (E. and I. Geoffroy). See Geoffroy St.-Hilaire (E. and I.).

St. John (Orestes). Notes on the Geology of North-eastern New Mexico. (Tract.) 8vo. *Washington*, 1876.

——. See Surveys: Ohio.

St. John (R.). A true description of the Lake Superior Country and Copper Mines. 8vo. *New York*, 1846.

St. Louis. Vine and Fruit-growers' Association. Explanatory statement of the views and proceedings, together with the Charter of the Company. (Tract.) 8vo. *St. Louis, Mo.*, 1859.

St. Petersburg. Bibliothèque Impériale publique. Excerptum ex specialibus Regulis ad dirigendam Imperialem publicam Bibliothecam spectantibus, &c. (Tract.) 8vo. *St. Petersburg*, 1814.

St. Vincent. Report from Committee on Petition of persons interested in Estates in the Island of St. Vincent. (Tract.) Fol. *London*, 1813.

Sainte-Claire Deville (Charles Joseph). Etudes géologiques sur les îles de Ténériffe et de Fogo, suivi d'une statistique abrégée des îles du Cap-Vert et d'un notice bibliographique. 4to. *Paris*, 1848.

——. Mémoire sur les roches volcaniques des Antilles. (Tract.) 8vo. *Paris*, 1851.

——. Carte de la température des eaux à la surface de la mer des Antilles, du golfe du Mexique et de la portion voisine de l'océan Atlantique. (Tract.) 4to. *Paris*, 1852.

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——. Observations sur la nature et la distribution des fumerolles dans l'éruption du Vésuve du 1er Mai, 1855. (Tract.) 2 copies. 8vo. *Paris*, 1855.

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——. Essai sur la répartition des corps simples dans les substances minérales naturelles. (Tract.) 4to. *Paris*, 1862.

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——. Coup-d'œil historique sur la Géologie et sur les travaux d'Elie de Beaumont. (Leçons professées au Collège de France.) 8vo. *Paris*, 1878.

—— and **Leblanc** (Félix). Mémoire sur la composition chimique des gaz rejetés par les évents volcaniques de l'Italie méridionale. (Tract.) 4to. *Paris*, 1859.

Salis (Carl Ulisses von) and **Steinmüller** (Johann Rudolph). Alpina. Eine Schrift der genauern Kenntniss der Alpen gewiedmet. 4 vols. 8vo. *Winterthur*, 1806–09.

Salmon (William). See Admiralty Publications.

Salt Districts (Landslips). See Reports, Parliamentary.

Salter (J. W.). On the Lowest Fossiliferous Beds of North Wales. (Tract.) 8vo. *London*, 1852.

——. Notes explanatory of a Map of the faults of the Dolgelly Gold District, undertaken for Mr. T. A. Readwin. (Tract.) 8vo. *Manchester*, 1862.

Salter (J. W.). A Monograph of British Trilobites. [Palæontographical Society.] 4to. *London*, 1864.

——. A Catalogue of the Cambrian and Silurian Fossils in the Geological Museum of the University of Cambridge, with preface by the Rev. Adam Sedgwick, and a table of genera and index by Prof. Morris. 4to. *Cambridge*, 1873.

——. See Belcher (*Sir* Edward), Bristow (Henry William), Forbes (David), Howell (N. H.), Murchison (*Sir* Roderick Impey), Ribeiro (Carlos), and Surveys: Great Britain.

—— and **Blanford** (H. F.). Palæontology of Niti, in the Northern Himalaya, being descriptions of the Palæozoic and Secondary Fossils collected by Col. Richard Strachey. 8vo. *Calcutta*, 1865.

—— and **Woodward** (Henry). Chart of Fossil Crustacea. (Notice.) (Tract.) 8vo. *London*, 1865.

Salter (Thomas). Death of Thomas Salter, Esq., of Poole. (Tract.) 4to page. *Poole*, 1856.

Salzburg. Höhen salzburgischer und anderer benachbarten Berge, Alpen, Ortschaften, Flüsse, und Seen. (MS. Chart.) No date.

Samarang Expedition. The Zoology of the Voyage of H.M.S 'Samarang,' during the years 1843–1846. By John Edward Gray, John Richardson, Arthur Adams, Lovell Reeve, and Adam White. 4to. *London*, 1850.

Sampson (George Vaughan). Statistical Survey of the County of Londonderry. 8vo. *Dublin*, 1802.

——. A Memoir explanatory of the Chart and Survey of the County of Londonderry, Ireland. 4to. *London*, 1814.

Sandberger (C. L. Fridolin). Uebersicht der geologischen Verhältnisse des Herzogthums Nassau. (Tract.) 8vo. *Wiesbaden*, 1847.

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Sandberger (C. L. Fridolin). Zirkon (Hyacinth) im Fichtelgebirge. (Tract.) 2 copies. 8vo. *Würzburg*, 1867.

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—— and **Sandberger** (C. L. Fridolin). Die Versteinerungen des rheinischen Schichtensystems in Nassau. 4to ; Atlas, fol. *Wiesbaden*, 1850–56.

Sanders (William). Map of the Bristol Coal-fields and country adjacent. Fol. *Manuscript*, 1862.

Sandivogius (Micheel). A new light of Alchymie. Translated from the Latin by J. F. 4to. *London*, 1650.

Sandwich (Edward, *Earl of*). See Metals, Mines, and Minerals.

Sandys (—). See Cambridge University, Speeches delivered . . . in the Senate-House, 1879.

Sanford (W. Ayshford). See Dawkins (William Boyd).

Sanna-Solaro (J. M.). Mémoire sur le premier bassin de *Dinotherium* découvert dans le département de la Haute-Garonne. (Tract.) 8vo. *Toulouse*, 1864.

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Santagata (Domenico). Origine delle argille scagliose dal calcare compatto, dal macigno, dall' arenaria, e da un conglomerato ofiolitico. (Tract.) 4to. *Bologna*, 1856.

Santarem (*Vicomte* de). Examen des assertions contenues dans un opuscule intitulé: Sur la publication des monuments de la Géographie, publié au mois d'Août 1847. (Tract.) 8vo. *Paris*, 1849.

Santer (E.). See HOCHSTETTER (F. von).

Santesson (H.). See SURVEYS: SWEDEN.

Santi (Giorgio). Viaggio al Montamiata. 3 vols. 8vo. *Pisa*, 1795.

——. Voyage au Montamiata et dans le Siennois. 2 vols. 8vo. *Lyons*, 1802.

Saporta (Gaston de). Sur le rôle des végétaux à feuilles caduques dans les flores tertiaires antérieures au Miocène proprement dit, et spécialement dans celle du gypse d'Aix. (Tract.) 8vo. *Geneva*, 1863.

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Schomburgk (Robert H.). A description of British Guiana, geographical and statistical. 8vo. *London*, 1840.

Schönbauer (Joseph Anton). Neue analytische Methode die Mineralien und ihre Bestandtheile richtig zu bestimmen. 2 vols. 8vo. *Vienna*, 1805–09.

Schönberg (Abraham von). Ausführliche Berg-Information, etc. 8vo. *Leipzig*, 1693.

Schönbein (C. T.). On a peculiar Voltaic Condition of Iron, in a letter to Mr. Faraday: with further Experiments on the same subject, by Mr. Faraday. (Tract.) 8vo. *London*, 1836.
See also Faraday (Michael).

Schönbuer (Vincentius). Mineræ metallorum Hungariæ et Transilvaniæ. Pars I. Sectio I. 8vo. *Vienna*, 1809.

Schönlein (J. L.) and **Schenk** (August). Abbildungen von fossilen Pflanzen aus dem Keuper Frankens. 4to. *Wiesbaden*, 1865.

Schott (Arthur). See SURVEYS: UNITED STATES.

Schott (Charles A.). See KANE (Elisha Kent).

Schreber (Johann Christian Daniel). Lithographia Halensis, exhibens lapides circa Halam Saxonum reperiundos systematice digestos, etc. Præfatus est J. J. Langius. (Tract.) 8vo. *Halle*, 1759.

Schreber (Daniel Gottfried). Abhandlung von dem Ursprunge der Gebürge und der darinne befindlichen Erzadern, oder der sogenannten Gänge und Klüfte, etc. (Tract.) 8vo. *Leipzig*, 1770.

——. Beschreibung der Eisen-, Berg- und Hüttenwerke zu Eisenärz in Steyermark. 4to. *Leipzig* and *Königsberg*, 1772.

——. Beschreibung der Eisen-, Berg- und Hüttenwerke zu Eisenärz in Steyermark. 2nd edition. (No titlepage.) 8vo. *Leipzig*, 1811.

Schreiber (Carl von). Beiträge zur Geschichte und Kenntniss meteorischen Stein- und Metall-Massen, etc. Fol. *Vienna*, 1820.

Schreiber (L. C.). Grundriss der Geognosie zum Gebrauch meiner Vorlesungen nach dem neuesten Wernerischen System. (Tract.) 8vo. *Meiningen*, 1809.

Schrenk (Alexander Gustav). Orographisch-geognostische Uebersicht des Uralgebirges im hohen Norden. (Tract.) 8vo. *Dorpat*, 1849.

——. Uebersicht des obern silurischen Schichtensystems Liv- und Ehstlands, vornämlich ihrer Inselgruppe. Erster Theil. Geognostisch-geologische Skizze. (Tract.) 8vo. *Dorpat*, 1852.

——. Reise durch die Tundren der Samojeden. Zweiter Theil. Wissenschaftliche Beilagen. 8vo. *Dorpat*, 1854.

Schröder (Christian Friedrich). Abhandlung vom Brocken und dem übrigen alpinischen Gebürge des Harzes. Neu Auflage. 1er Theil. 8vo. *Leipzig*, 1794.

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Schröter (Johann Samuel). Die Geschichte der Flussconchylien. 4to. *Halle*, 1779.

——. Ueber den innern Bau der See- und einiger ausländischen Erd- und Flusschnecken. 4to. *Frankfort*, 1783.

——. See HACQUET (—).

Schubert (Gotthilf Heinrich von). Obituary Notice. See WAGNER (Andreas).

——. Handbuch der Geognosie und Bergbaukunde. (Handbuch der Naturgeschichte, Band II.) 8vo. *Nuremberg*, 1813.

——. Ueber die Einheit im Bauplane der Erdveste. (Tract.) 4to. *Munich*, 1835.

Schübler (D.). See ALBERTI (Friedrich von).

Schuler (Johann Melchior). Die Linth-Thäler. 8vo. *Zurich*, 1814.

Schultes (J. A.). Reise auf den Glockner. 4 vols. 8vo. *Vienna*, 1804.

——. Ausflüge nach dem Schneeberge in Unterösterreich. 2 vols. 8vo. *Vienna*, 1807.

Schultz (Friedrich). Ueber den allgemeinen Zusammenhang der Höhen. 4to. *Weimar*, 1803.

Schultz (Wilhelm). Beiträge zur Geognosie und Bergbaukunde. 4to. *Berlin*, 1821.

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Schulzen or **Schultzen** (Christian Friedrich). Nachricht von den bey Zöblitz und an andern Orten in Sachsen befindlichen Serpentinsteinarten, etc. 4to. *Dresden* and *Leipzig*, 1771.

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Schumacher (Christian Friedrich). Versuch eines Verzeichnisses der in den dänisch-nordischen Staaten sich findenden einfachen Mineralien, mit Tabellen der einfachen Fossilien. 2 copies. 4to. *Copenhagen*, 1801.

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Schumann (J.). Die Diatomeen der Hohen Tatra. [Beilage von der k.-k. zool.-botan. Gesellschaft in Wien.] 8vo. *Vienna*, 1867.

Schuster (Gustav). Geognostische Beschreibung des Stemmer Berges. (Tract.) 8vo. *Göttingen*, 1841.

Schüttens (Johann Heinrich). Oryctographia Jenensis, sive fossilium et mineralium in agro Jenensi brevissima descriptio, etc. 2nd edition. 8vo. *Jena*, 1761.

Schütz (Karl von). Reise vom Linththal über die Limmern Alp nach Brigels. (Tract.) 8vo. *Zurich*, 1812.

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Schwarcz (Julius). A görögök geologiája jobb Napjaikbou. (Tract.) Fol. *Pesth*, 1861.

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Schwarcz (Julius). On the failure of Geological Attempts in Greece prior to the epoch of Alexander. Part I. (Tract.) 4to. *London*, 1862.

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Schwartz (G. M.). Handbok i Oryktognosien (1ta Häft). (Tract.) 8vo. *Stockholm*, 1803–04.

Schwartz-von-Mohrenstern (Gustav). Ueber die Familie der Rissoiden und insbesondere die Gattung *Rissoina*. 4to. *Vienna*, 1860.

——. Ueber die Familie der Rissoiden. II. *Rissoa*. (Tract.) 8vo. *Vienna*, 1863.

——. ——. (Tract.) 4to. *Vienna*, 1864.

Schwarze (G.). Die fossilen Thierreste vom Unkelstein in Rheinpreussen. (Tract.) 8vo. *Bonn*, 1879.

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Schythe (J. C.). Hekla og dens sidste odbrud den 2den September 1845. 8vo. *Copenhagen*, 1847.

Science and Art Department. [Promotion of the] Central Hall of Arts and Sciences. (Tract.) 8vo. *London*, 1866.

——. Conferences held in connection with the Special Loan Collection of Scientific Apparatus, 1876. 2 vols. 8vo. *London*, 1877.

——. Catalogue of the Special Loan Collection of Scientific Apparatus at the South Kensington Museum, 1876. 3rd edition. 8vo. *London*, 1877.

Scilla (Agost.). De corporibus marinis lapidescentibus quæ defossa reperiuntur, addita dissertatione Fabii Columnæ de Glossopetris. 4to. *Rome*, 1757.

——. ——. Editio altera. 4to. *Rome*, 1759.

Scinà (Domenico). Rapporto sulle ossa fossili di Mardolce e degli altri contorni di Palermo. (Tract.) 2 copies. 8vo. *Palermo*, 1831.

Scinde and Punjaub Railways. See Andrews (W. P.).

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Scott (William B.). See SERIALS, ETC.: PRINCETON, N. J., Museum of Geology, etc.

Scouler (John). Letter to the Committee of Chemistry and Mineralogy [of the Royal Dublin Society]. (Tract.) 8vo. *Dublin*, 1835.

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——. Considerations on Volcanos, etc., leading to a new Theory of the Earth. 8vo. *London*, 1825.

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——. Mémoire sur le mode de formation des cônes volcaniques et des cratères; traduit par Endymion Pieraggi. (Tract.) 8vo. *Paris*, 1860.

——. Volcanos: the character of their phenomena, their share in the structure and composition of the surface of the globe, and their relation to its internal forces. 8vo. *London*, 1862.

——. ——. 2nd edition. 8vo. *London*, 1872.

Scudder (Samuel Hubbard). Bibliography. See DIMMOCK'S SPECIAL BIBLIOGRAPHIES, No. 3.

——. Revision of the large, stylated, fossorial Crickets. (Tract.) 4to. *Salem, Mass.*, 1866.

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——. See Harris (Thaddeus William).

Seale (Robert F.). The Geognosy of the Island of St. Helena, illustrated in a series of views, plans, and sections. Fol. *London*, 1834.

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——. See Salter (J. W.) and Seeley (Harry Govier).
—— and **McCoy** (Frederick). Synopsis of the Classification of the British Palæozoic Rocks. With a Systematic description of the British Palæozoic Fossils in the Geological Museum of the University of Cambridge. 4to. *London* and *Cambridge*, 1855.
—— and **Murchison** (R. I.). A Sketch of the structure of the Austrian Alps, &c. (Tract.) 2 copies. 8vo. *London*, 1830.
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Seebach (Karl von). Die Conchylien-Fauna der weimarischen Trias. (Inaugural-Dissertation an der Universität Göttingen.) 8vo. *Berlin*, 1862.
——. Der hannoversche Jura. 4to. *Berlin*, 1864.
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——. Intorno alla fluorina siciliana. (Tract.) 8vo. *Milan*, 1864.

——. Intorno ai Brachiopodi miocenici delle provincie piemontesi. (Tract.) 8vo. *Naples*, 1866.

——. Sulle importanti relazioni paleontologiche di talune rocce cretacee della Calabria, etc. (Tract.) 4to. *Milan*, 1866.

——. Breve cenno di ricerche geognostiche ed organografiche intorno ai Brachiopodi terziarii delle rocce messinesi. (Tract.) 8vo. *Naples*, 1865.

——. Description d'un Pedicularia fossile. (Tract.) 8vo. *Paris*, 1865.

——. Paleontologia malacologica dei terreni terziarii del distretto di Messina. (Tract.) 2 copies. 4to. *Milan*, 1865.

——. ——. Famiglia Fissurellidi. (Tract.) 4to. *Milan*, 1866.

Seguenza (Giuseppe). Paleontologia malacologica dei terreni terziarii del distretto di Messina. Pteropodi ed Eteropodi. (Tract.) 2 copies. 4to. *Milan*, 1867.

——. Dei Brachiopodi viventi e terziarii pubblicati dal Prof. O. G. Costa. (Tract.) 8vo. *Pisa*, 1870.

——. Sull' antica distribuzione geografica di talune specie malacologiche viventi. (Tract.) 8vo. *Pisa*, 1870.

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——. Contribuzione alla geologia della provincia di Messina: breve nota intorno le formazioni primarie e secondarie. (Tract.) 8vo. *Florence*, 1871.

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——. Ricerche paleontologiche intorno ai Cirripedi terziarii della provincia di Messina. Parte II. (Tract.) 4to. *Naples*, 1876.

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Seibert (P.). See SURVEYS: HESSE.

Seidel (Ludwig). Untersuchungen über die Lichstärke der Planeten Venus, Mars, Jupiter und Saturn, verglichen mit Sternen, und über die relative Weisse ihrer Oberflächen. [Monumenta Sæcularia.] (Tract.) 2 copies. 4to. *Munich*, 1859.

Selb (C. J.). See LEONHARD (K. C.).

Sella (Quintino). Sulla legge di connessione delle forme cristalline di una stessa sostanza. (Tract.) 8vo. *Turin*, 1856.

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——. Relazione del deputato Sella, alla Commissione d'inchiesta sulle condizioni dell' Industria mineraria nell' isola di Sardegna. 4to; Atlas, fol. *Turin*?, 1871.

Sella (G.). See HAMILTON (W.) and SARDINIA.

Selldon (S. E.). On some ores of Iron and Coal from Sugar Creek on the Mahogany River. (Tract.) 8vo. *London*, 1840.

Selwyn (Alfred R. C.). Notes and Observations on the Gold Fields of Quebec and Nova Scotia. (Tract.) 2 copies. 8vo. *Halifax, N. S.*, 1871.

——. The Stratigraphy of the Quebec Group and the Older Crystalline Rocks of Canada. (Tract.) 8vo. *Montreal*, 1879.

—— and **Ulrich** (George H. F.). Notes on the Physical Geography, Geology, and Mineralogy of Victoria. (Tract.) 8vo. *Melbourne*, 1866.

——. Stratigraphical collection of Rocks of Canada. See EXHIBITION OF 1876 (Philadelphia).

——. See EXHIBITION OF 1862; REPORTS, COLONIAL, VICTORIA; and SURVEYS, CANADA.

Senarmont (H. de). Expériences sur la formation des minéraux par voie humide dans les gîtes métallifères concrétionnés. (Tract.) 8vo. *Paris*, 1851.

——. Sur la formation artificielle, par voie humide, de quelques espèces minérales qui ont pu se produire dans les sources thermales sous l'influence combinée de la chaleur et de la pression. 8vo. *Paris*, 1850.

Sendelius (Nathanael). Historia Succinorum corpora aliena involventium et naturæ opere, etc. Fol. *Leipzig*, 1742.

Senebier (Jean). Mémoire historique sur la vie et les écrits de Horace Bénédict De Saussure. 8vo. *Geneva*, 1801.

Senft (Ferdinand). Classification und Beschreibung der Felsarten. 8vo. *Breslau*, 1857.

——. Die Humus-, Marsch-, Torf- und Limonitbildungen. (Für Geognosten, Bergleute, Forst- und Landwirthe.) 8vo. *Leipzig*, 1862.

——. Der Steinschutt und Erdboden nach Bildung, Bestand, Eigenschaften, Veränderungen und Verhalten zum Pflanzenleben für Land- und Forstwirthe. 8vo. *Berlin*, 1867.

Senft (Ferdinand). Die krystallinischen Felsgemengtheile nach ihren mineralischen Eigenschaften, chemischen Bestandtheilen, Abarten, Umwandlungen, Associationen und Felsbildungensweiser. Für Mineralogen, Geognosten und Bergleute. 8vo. *Berlin*, 1868.

——. Synopsis der Mineralogie und Geognosie. 2 vols. 8vo. *Hanover*, 1875–76.

——. Synopsis der Mineralogie und Geognosie. Ein Handbuch für höhere Lehranstalten, etc. 2te Abtheil.: Geognosie. 2te Hälfte: Formationenlehre. 8vo. *Hanover*, 1878.

——. Fels und Erdboden. Lehre von der Entstehung und Natur des Erdbodens. 8vo. *Munich*, 1876.

——. Lehrbuch der Gesteins- und Bodenkunde. 8vo. *Berlin*, 1877.

——. Die Thonsubstanzen (Kaolin, Thon, Löss, Lehm, Letten, und Mergel) nach Entstehungsweise, Bestand, Eigenschaften und Ablagerungsorten für Forstwirthe, Landwirthe, Techniker und Geognosten. (Tract.) 8vo. *Berlin*, 1879.

Sennett (George B.). Notes on the Ornithology of the Lower Rio Grande of Texas, from observations made during the season of 1877. Edited, with annotations, by Dr. Elliott Coues. (Tract.) 8vo. *Washington*, 1878.

Senoner (Adolfo). Il museo di storia naturale dei Signori A., e G. B. Villa di Milano. (Tract.) 4to. *Milan*.

Serial and Academical Publications*.

Abbeville. Société Royale (*afterwards* Impériale) d'Emulation.
Mémoires (Sér. 2), 1836–65. (8 vols.) 8vo. *Abbeville*, 1837–65.

Adelaide. Adelaide Philosophical Society.
Transactions and Proceedings, and Report, 1877–1878. 8vo. *Adelaide*, 1878.

Albany. Albany Institution. Transactions. Vol. II. No. 1. 8vo. *Albany*, 1833.

Albany. American Quarterly Journal of Agriculture and Science. Vols. I., II., and IV. 8vo. *Albany*, 1845–46.

Albany. New York State Cabinet (*afterwards* Museum) of Natural History.
Annual Reports . . . by the Regents of the University of the State of New York. Nos. 8 and 12 etc. (Nos. 13–16, 20, and 23–26 in duplicate; also No. 20, revised edition, large 8vo, 1870, and No. 28, State-Museum edition, 1879.) 8vo. *Albany*, 1855 *etc.*

Albany. New-York State Library.
Annual Reports of the Trustees. Nos. 39? (1857) and 42 etc. 8vo. *Albany*, 1857 *etc.*
See Libraries, Catalogues of.

Albany. University of the State of New York.
Annual Reports of the Regents. Nos. 70, 73, and 74. 8vo. *Albany*, 1857–61.

Altenburg. Naturforschende Gesellschaft.
Mittheilungen aus dem Osterlande. Vol. XVIII. pt. 3–4. 8vo. *Altenburg*, 1868.

* An Index to these publications will be found at p. 609.

Amsterdam. Akademie (Koninklijke) van Wetenschappen.
Jaarboek, 1872. 8vo. *Amsterdam*, 1872.
Verslagen en Mededeelingen. Reeks 2, Deel III. & VII. 8vo. *Amsterdam*, 1873.
Proces-verbaal van de gewone Vergadering der Afdeeling Natuurkunde, 1872–73. 8vo. *Amsterdam*, 1872–73.

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Jaarboek van het Mijnwezen in Nederlandsch Oost-Indië. Jaargang I. etc. 8vo. *Amsterdam*, 1872 *etc.*

Antigua. Union Society of Antigua.
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Antwerp. Société Paléontologique de Belgique.
Bulletin. Tom. I. feu. 1–4. 8vo. *Antwerp*, 1859.
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Austria. Allgemeine Versammlung von Berg- und Hüttenmännern.
Bericht, I. u. II. (1858–1865). 8vo. *Vienna*, 1858–62.

Bamberg. Naturforschender Verein.
Bericht über das Bestehen und Wirken. Bd. I. 4to. *Bamberg*, 1852.

Barnsley. Midland Institute of Mining, Civil, and Mechanical Engineers.
Transactions, Vol. VI. (part 46) and Vol. VII. (part 47). 8vo. *Barnsley*, 1879.

Barrow. Barrow Naturalists' Field-Club.
Transactions [or] Annual Report and Proceedings. Vols. I. etc. 8vo. *Barrow*, 1877 *etc.*

Basle. Naturforschende Gesellschaft.
Bericht über die Verhandlungen. Bd. IX. (1848–50). 8vo. *Basle*, 1851.
Verhandlungen. Heft I. etc. 8vo. *Basle*, 1854 *etc.*
Festschrift zur Feier des funfzigjährigen Bestehens, 1867. 8vo. *Basle*, 1867.

Basle. Schweizerische paläontologische Gesellschaft. See ZURICH.

Batavia. Natuurkundige (Koninklijke) Vereeniging in Nederlandsch Indië.
Natuurkundig Tijdschrift voor Nederlandsch Indië. Deel XXIII.–XXVI. and XXIX. (very imperfect). 8vo. *Batavia*, 1861–65.

Bath. Bath Natural History and Antiquarian Field Club.
Proceedings. Vols. I. etc. (Titlepages of vols. I. & II. wanting.) 8vo. *Bath*, 1867 *etc.*

Bath. Bath Royal Literary and Scientific Institution.
Annual Reports. Nos. 37, 52 (2 copies), and 53. 8vo. *Bath*, 1862–78.

Bedford. Bedfordshire Natural-History Society and Field-Club.
Abstract of Proceedings and Transactions, 1875–1876. 8vo. *Bedford*, 1877.

Belfast. Belfast Natural-History and Philosophical Society.
Proceedings. Sess. 1871 etc. 8vo. *Belfast*, 1872 *etc.*

Belfast. Belfast Naturalists' Field-Club (*formerly* Field Naturalists' Club).
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Berlin. Akakemie (königliche) der Wissenschaften.
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——. Supplementband. 4to. *Berlin*, 1856.
Bericht (*afterwards* Monatsbericht) über die zur Bekanntmachung geeigneten Verhandlungen. Jahrg. 1836 etc. 8vo. *Berlin*, 1837 *etc.*
Preisfragen, 1852–55. (Tracts.) 8vo. *Berlin*, 1852–55.

Berlin. Archiv für Mineralogie, Geognosie, Bergbau und Hüttenkunde. Band VI. (imperfect) and XIX.–XXVI. 8vo. *Berlin*, 1833?–54.

Berlin. Deutsche geologische Gesellschaft.
Zeitschrift. Band I. etc. 8vo. *Berlin*, 1849 *etc.*
Verzeichniss der Mitglieder, etc. (Tract.) 8vo. *Berlin*, 1863.

Berlin. Gesellschaft für Erdkunde.
Zeitschrift für allgemeine Erdkunde. Neue Folge (2), Band VIII. Heft 1–3. 8vo. *Berlin*, 1860.

Berlin. Gesellschaft naturforschender Freunde.
Festschrift zur Feier des hundertjährigen Bestehens. 4to. *Berlin*, 1873.
Sitzungsberichte. Jahrg. 1860–1869. 4to. *Berlin*, 1862–70.
——. Jahrg. 1870 etc. 8vo. *Berlin*, 1871 *etc.*

Berlin. Zeitschrift für Berg-, Hütten- und Salinen-Wesen. (One vol., imperfect.) 4to. *Berlin*, 1868.

Berne. Schweizerischer Alpenclub.
Jahrbuch. Band X. etc. 8vo. *Berne*, 1875 *etc.*

Berwick-on-Tweed. Berwickshire Naturalists' Club.
Proceedings, 1831 etc. 8vo. *Edinburgh*, *Alnwick*, *etc.*, 1834 *etc.*

Birmingham. The Midland Naturalist. Vols. I. etc. 8vo. *Birmingham*, 1878 *etc.*

Birmingham. Birmingham Natural-History and Microscopical Society.
Annual Report . . . . and Address of the retiring President [Rev. G. Deane] . . . 1875. 8vo. *Birmingham*, 1875.
Proceedings. No. I. 1869. 8vo. *Birmingham*, 1870.

Birmingham. Birmingham Philosophical Institution.
Reports, 1836–44. 8vo. *Birmingham*, 1836–44.

Birmingham. Birmingham Philosophical Society Proceedings. Vol. I. No. 1. 8vo. *Birmingham*, 1877.

Birmingham? South Midland Institute of Mining . . . Engineers. See WOLVERHAMPTON.

Bogotá. Sociedad de Naturalistas Neo-Granadinos.
Boletin. (Vol. I.) 8vo. *Bogotá*, 1860.
Contribuciones de Colombia a las Ciencias i a las Artes . . . por E. Uricoechea. Año 2 (imperfect). 8vo. *Bogotá*, 1861.
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Bologna. Nuovi Annali delle Scienze naturali. (Ser. 1.) Vols. I.–X. and Index, 1838–1843. Ser. 3, Vols. I.–X., 1850–54. 8vo. *Bologna*, 1838–54.

Bombay. Bombay Branch of the Royal Asiatic Society.
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Bombay. Bombay Geographical Society.
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Bordeaux. Société Linnéenne.
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Boston. Society of Natural History.
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Bremen. Naturwissenschaftlicher Verein.
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Jahresbericht I. 1864–65. 8vo. *Bremen*, 1866.

Breslau. Kaiserliche Leopoldinisch-Carolinische Akademie der Naturforscher. See DRESDEN.

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Bristol. Philosophical and Literary Society. See Bristol Institution.

Brünn. Naturforschender Verein.
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See LIBRARIES, CATALOGUES OF.

Brussels. Etablissement Géographique de Bruxelles.
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Brussels. Société Géologique de Belgique. See LIÉGE.

Brussels. Société Malacologique de Belgique.
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Buenos Ayres. Museo Público.
Anales, para dar á conocer los objetos de la historia natural nuevos ó poco conocidos conservados en este establecimiento, por German Burmeister. Entr. I. 4to. *Buenos Ayres*, 1864.

Buenos Ayres. Sociedad Cientifica Argentina.
Anales. Tom. VIII. Entr. 1–2. 8vo. *Buenos Ayres*, 1879.

Buffalo. Buffalo Society of Natural Sciences.
Bulletin. Vols. I. etc. 8vo. *Buffalo*, 1874 *etc.*

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Proceedings. 1865 etc. 8vo. *Calcutta*, 1866 *etc.*
List of Periodicals and Publications received in the Library. (Tract.) 8vo. *Calcutta*, 1878

Calcutta. British-India Association.
Report of the Committee, 1863. (Tract.) Fol. *Calcutta*, 1863.

Calcutta. Calcutta Journal of Natural History. Vols. I.–VI.
8vo. *Calcutta*, 1841–46.

Calcutta. Calcutta Public Library.
Reports, 1847–1850, 1852 and 1854. (Tracts.)
8vo. *Calcutta*, 1848–55.

——. See LIBRARIES, CATALOGUES OF.

Cambridge. Cambridge Philosophical Society.
Proceedings. Vol. I. parts 3–6 (1865–1867) and Vol. III. (1876 etc.). 8vo. *Cambridge*, 1866 *etc.*
Transactions. Vols. I. etc. 4to. *Cambridge*, 1822 *etc.*
Charter and Bye-laws. (Tract.) 8vo. *Cambridge*, 1832.

Cambridge, Mass. Harvard University Library. (See also BOSTON.)
Special Publications: No. I. Catalogue of Scientific Serials of all countries, including the Transactions of learned Societies, in the Natural, Physical, and Mathematical Sciences, 1633–1876. By Samuel H. Scudder. 8vo. *Cambridge*, 1879.

Cambridge, Mass. Museum of Comparative Zoology at Harvard College. See BOSTON.

Canterbury. East-Kent Natural-History Society.
Reports. IV., X., and XV. 8vo. *Canterbury*, 1862–73.

Cape Town. Cape Monthly Magazine. Vol. IV. Nos. 23 & 24. (Tracts.)
8vo. *Cape Town*, 1858.

Cardiff. Cardiff Naturalists' Society.
Reports and Transactions. Vols. I. etc.
8vo. *Cardiff*, 1869 *etc.*

Carlsruhe. Naturwissenschaftlicher Verein.
Verhandlungen. Heft 1 and 2. 4to. *Carlsruhe*, 1864–66.

Cassel. Malakozoologische Blätter. Als Fortsetzung der Zeitschrift für Malakozoologie. Herausgegeben von L. Pfeiffer. Band X.–XIII.
8vo. *Cassel*, 1862–66.

Cassel. Museum des Königlichen Bayerischen Staates. See STUTTGART.

Cassel. Paläontographica: Beiträge zur Petrefactenkunde [Naturgeschichte der Vorwelt]: herausgegeben von W. Dunker, H. von Meyer, und K. A. Zittel. Band I. etc. (With Supplements in 4to and 8vo, with fol. plates.) 4to. *Cassel*, 1851 *etc.*

Catania. Accademia Gioenia di Scienze Naturali.
Atti. Ser. 2, Tom. I.–XIII. & XX. 1844–1865. Ser. 3, Tom. I. etc. 1867 etc. 4to. *Catania*, 1844 *etc.*
Relazione dei lavori scientifici. Ann. XLI.–XLIII.
4to. *Catania*, 1869.

Charleston. Elliot Society of Natural History.
Proceedings. Vol. I. (imperfect). 1853–1858.
8vo. *Charleston*, 1855–59.

Cherbourg. Société des Sciences Naturelles.
Mémoires. Vols. I.–X. 8vo. *Cherbourg*, 1852–65.

Chicago. Chicago Academy of Sciences.
Act of Incorporation, etc. . . . with a historical sketch of the Association, and Reports on the Museum and Library.
8vo. *Chicago*, 1866.

Chicago. Chicago Academy of Sciences.
Proceedings. Vol. I. No. 1. 1865–1866. 8vo. *Chicago*, 1866.
Transactions. Vol. I. 8vo. *Chicago*, 1867–69.

Christiania. Norske (kongelige) Fredriks Universitet.
Aarsberetning, 1866–1868. 8vo. *Christiania*, 1867–69.
Halvhundredaars-Fest, September 1861. (Tract.) 8vo. *Christiania*, 1862.
—— ——; Cantate . . . af J. S. Welhaven. (Tract.) 8vo. *Christiania*, 1861.
Udsigt over mineral-cabinettets opstilling og storrelse, afgevet som indberetning for 1861 fra bestyreren. (Tract.) 8vo. *Christiania*, 1861 ?
See also MONRAD (M. J.).

Christiania. (Physiographiske Forening.)
Magazin for Naturvidenskaberne. Bind I. Hefte 2. (Tracts.) 8vo. *Christiania*, 1832–33.
Nyt Magazin for Naturvidenskaberne. Bind XV. etc. 8vo. *Christiania*, 1868 *etc.*

Christiania. Skandinaviska Naturforskere.
Forhandlinger. 1844. 8vo. *Christiania*, 1847.

Christiania. Videnskabs-Selskabet.
Forhandlinger. Aar. 1858, 1860–1868, and 1870 etc. 8vo. *Christiania*, 1859 *etc.*

Cincinnati. Cincinnati Society of Natural History.
Journal. Vol. I. No. 1. 8vo. *Cincinnati*, 1878.

Cincinnati. Young Mens' Mercantile Library Association.
Annual Report, XXI. 1855. (Tract.) 8vo. *Cincinnati*, 1856.

Clausthal. Naturwissenschaftliche Verein Maja. Mittheilungen. Ser. 2, Heft 1, 1879. 8vo. *Clausthal*, 1879.

Clifton. Clifton College Scientific Society.
Transactions. Vols. I. etc. 8vo. *Clifton*, 1871 *etc.*

Colombo. Ceylon Branch of the Royal Asiatic Society.
Journal. 1865–1866. 8vo. *Colombo*, 1866.

Copenhagen. Danske (kongelige) Videnskabernes Selskab.
Censura commentationum, ad præmium reportandum oblatarum, et novæ quæstiones, quas in annis 1842, 1848, 1849, 1854, 1857 et 1858 Societas cum præmii promisso proponit. (Tracts.) 8vo. *Copenhagen*, 1842–58.
Meteorologiske Comité. Tyge Brahes Meteorologiske Dagbog, holdt paa Uraniborg for aarene 1582–1597. 8vo. *Copenhagen*, 1876.
Naturvidenskabelige og Mathematiske Afhandlinger. Ser. 4, Deel VII.–XII. 1841–1846. Ser. 5, Bind I. etc. 1849 etc. 4to. *Copenhagen*, 1841 *etc.*
Oversigt over Forhandlinger og dets Medlemmers arbeider. 8vo, 1839–1841. (Tracts.) 4to, 1842 etc. 8vo & 4to. *Copenhagen*, 1838 *etc.*

Copenhagen. Naturhistoriske Forening.
Videnskabelige Meddelelser. Aar. 1849–1850. 8vo. *Copenhagen*, 1850 ?

Copenhagen. Nordiske (kongelige) Oldskrift-selskab—Royal Society of Northern Antiquaries—Société Royale des Antiquaires du Nord.

Mémoires, 1845–1849. 8vo. *Copenhagen*, 1846–50.

Miscellaneous Prospectuses and Reports, 1838–1851. (Tracts, mostly in duplicate.) 8vo. *Copenhagen*, 1838–51.

Cracow. Ces. król. Towarzystwo naukowe (z universytetem) Krakowskie [Imp. Roy. Society of Science at the University of Cracow].

Sprawozdanie komisyi fizyograficznéj . . . obejmujace poglad na czynności dokonane . . . oraz materyały do fizyografii Galicyi [Report of the Physiographical Commission, embracing remarks on active researches . . . and materials of Galician physiography]. Vols. I. etc. 8vo. *Cracow*, 1867 *etc.*

Croydon. Croydon Microscopical Club.

Reports, etc., I. and III. etc. 8vo. *Croydon*, 1871 *etc.*

Darmstadt. Mittelrheinischer geologischer Verein.

Entstehung und seitherige Wirksamkeit. (Tract.) 8vo. *Darmstadt*, 1855.

Darmstadt. Naturhistorische Verein für das Grossherzogthum Hessen und Umgebung.

Verhandlungen. Heft II. (Tract.) 8vo. *Darmstadt*, 1848.

Darmstadt. Verein für Erdkunde und verwandte Wissenschaften.

Notizblatt. Ser. 1, Nos. 1–46, 1854–1857. Ser. 2, Nos. 1–60 (Band I.–III.), 1857–1861. Ser. 3, Nos. 1 etc., 1862 etc. 8vo. *Darmstadt*, 1854–77.

Davenport, Iowa. Davenport Academy of Natural Sciences.

Proceedings. Vol. I., 1867–1876, and Vol. II. part 1, 1877. 8vo. *Davenport*, 1876–77.

Delémont. Société Jurassienne d'Emulation.

L'Emulation Jurassienne, revue mensuelle littéraire et scientifique. Ann. I. 1876. 8vo. *Delémont*, 1876.

Dijon. Académie des Sciences, Arts et Belles-lettres.

Mémoires. (Sér. 1) Ann. 1845–1850. Sér. 2, Tom. I.–XVII. 1851–1872. Sér. 3, Tom. IV. etc. 1876 etc. 8vo. *Dijon*, 1847 *etc.*

Dijon. Société d'Agriculture et d'Industrie agricole du département [de la Côte d'Or].

Journal d'Agriculture de la Côte d'Or. Ann. 1862. Tom. XXIV. 8vo. *Dijon*, 1862.

Dorpat. Dorpater Naturforscher-Gesellschaft.

Archiv für die Naturkunde Liv-, Ehst- und Kurlands. Ser. 1, mineralogische Wissenschaften, nebst Chemie, Physik und Erdbeschreibung. Band I. (imperfect) –VII. 8vo. *Dorpat*, 1854–77.

——. Ser. 2, biologische Naturkunde. Band II.–VII. 8vo. *Dorpat*, 1860–77.

Sitzungsberichte. Band I. (imperfect) etc. 8vo. *Dorpat*, 1858 *etc.*

Dresden. Gesellschaft für Natur- und Heilkunde.

Denkschrift zur Feier ihres fünfzigjährigen Bestehens zugleich als Festgabe, etc. 4to. *Dresden*, 1868.

Dresden. Leopoldinisch-Carolinische (kaiserliche) deutsche Akademie der Naturforscher. (Academia Cæsareo-Leopoldina Naturæ Curiosorum.)

Adresse und Bitte an die deutschen Fürsten und ihre Regierungen, die deutschen Kammern und alle deutschen Mitbürger. (Tract.) 4to. *Breslau*, 1851.

Concours . . . proposé par le Prince Anatole de Démidoff, . . . à l'occasion de l'anniversaire du jour de naissance de S. M. l'Impératrice Mère, Alexandra de Russie, le 13 juillet, 1858. (Tract.) 4to. *Florence, imp.*, 1858.

Leopoldina. Heft VII.–IX. 4to. *Dresden*, 1871–74.

Nova Acta physico-medica exhibentia ephemerides. Vols. XIII., XIV., XV. part 1, XXII. part 2 (and Supplement), XXIII.–XXVI., XXVII. part 1, and XXVIII. etc. 4to. *Bonn*, *Breslau*, *Jena*, and *Dresden*, 1826 *etc.*

Dresden. Naturwissenschaftliche Gesellschaft Isis.

Sitzungsberichte. Jahrg. 1861–1863, 1865 (Nos. 7–12), and 1866 etc. 8vo. *Dresden*, 1862 *etc.*

Verzeichnisse der Mitglieder. 1866 und 1868. (Tracts.) 8vo. *Dresden*, 1866 & 1868.

Dresden. Verein für Erdkunde.

Jahresberichte. Jahrg. VIII. u. IX. 8vo. *Dresden*, 1872–73.

Dublin. Dublin Society (*afterwards* Royal Dublin Society).

[Reports of three Meetings held "at their house, Hawkins'-Street," in 1812.] (Tract.) 8vo. *Dublin*, 1812.

Journal. Vols. I.–VII. (vol. VI. imperfect). 8vo. *Dublin*, 1858–75.

Scientific Proceedings. [New Series of the Journal.] Vols. I. etc. 8vo. *Dublin*, 1877 *etc.*

Transactions. Vols. II. (part 2) –VI. 8vo. *Dublin*, 1802–10.

Dublin. Geological Society.

Journal. Vols. I. etc. 8vo. *Dublin*, 1838 *etc.*

Titles of Papers read before the Society to June, 1853. [See also BALL (Robert).] (Tract.) 8vo. *Dublin*, 1853.

Dublin. Irish Academy (Royal).

Proceedings. (Ser. 1) Vols. I. (part 2) and III.–VIII., 1844–1864. (Ser. 2) Vols. I. etc. 1869 etc. 8vo. *Dublin*, 1844 *etc.*

Transactions. Vols. I. etc. (with Index, 1787–1813). 4to. *Dublin*, 1787 *etc.*

Dublin. Natural-History Review. See LONDON.

Dublin. Natural-History Society.

Journal, 1855–1856. 8vo. *Dublin*, 1856.

Proceedings, 1856–1857. 8vo. *Dublin*, 1857.

Dublin. University Museum.

Reports II. & III. (Tracts.) 8vo. *Dublin*, 1847–48.

Dudley. Dudley and Midland Geological and Scientific Society and Field Club.

Transactions and Proceedings. Vols. I. (in duplicate) and II. No. 5. 8vo. *Dudley*, 1862–65.

Dudley. Geological Society.

Journal. Nos. 1 & 2. 8vo. *Dudley*, 1864.

Eastbourne. Eastbourne Natural-History Society.
Papers, 1873–1877. 8vo. *Eastbourne*, 1874–77

Edinburgh. Edinburgh Geological Society.
Transactions. Vols. I. etc. 1866 etc. 8vo. *Edinburgh*, 1870 *etc.*
Catalogue of the Brachiopoda of the Lothians and Fife. With introductions by T. Davidson and A. Somervail. (Tract.)
8vo. *Edinburgh*, 1877.

Edinburgh. Edinburgh Journal of Science, edited by Sir David Brewster. Vols. I.–VI. 8vo. *Edinburgh*, 1824–27.

Edinburgh. Edinburgh Monthly Journal of Medicine. New Series. Part 1. (January, 1855). (Tract.) 8vo. *Edinburyh*, 1855.

Edinburgh. Edinburgh Philosophical Journal, etc. Edited by Sir D. Brewster. Vols. I.–VI. and VIII.–XIV.
8vo. *Edinburgh*, 1819–26.

Edinburgh. Edinburgh New Philosophical Journal, etc. Edited by Jameson, etc. Ser. 1, Vols. I.–LVII., 1826–1854. Ser. 2, Vols. I.–XIX., 1855–1864. 8vo. *Edinburgh*, 1826–64.

Edinburgh. Physical Society (Royal).
Proceedings. Vols. I.–III. 8vo. *Edinburgh*, 1858–67.

Edinburgh. Royal Society of Edinburgh.
Proceedings. Vols. I. etc. 8vo. *Edinburgh*, 1845 *etc.*
Transactions. Vols. I.–II. and V. etc. 4to. *Edinburgh*, 1788 *etc.*

Edinburgh. Wernerian Natural-History Society.
Memoirs. Vols. I.–VII. and Vol. VIII. part 1.
8vo. *Edinburgh*, 1811–39.

Ekaterinburg. Записки. (Société Ouralienne d'Amateurs des Sciences Naturelles.)
Bulletin. Tom. IV. etc. 4to. *Ekaterinburg*, 1878 *etc.*

Erfurt. Akademie (königliche) gemeinnütziger Wissenschaften.
Denkschrift. 1 vol. 8vo. *Erfurt*, 1854.

Erlangen. Physikalisch-medicinisches Societät.
Sitzungsberichte. Heft III. 8vo. *Erlangen*, 1871.

Exeter. Teign Naturalists' Field Club. See TEIGNMOUTH.

Falmouth. Cornwall (*afterwards* Royal) Polytechnic Society.
Annual Reports (and Transactions). I.–XXVIII. and XXXVIII. etc. 8vo. *Falmouth* and *Truro*, 1833 *etc.*

Falmouth. See TRURO.

Florence. See MODENA.

France. Congrès Archéologique de France. Société français d'Archéologie pour la conservation des monuments historiques.
Session XXVIII. Séances générales tenues à Reims, etc., en 1861.
8vo. *Paris* and *Caen*, 1862.

France. Congrès des Délégués des sociétés savantes de France.
Bulletin de la Session 1858. (Tract.) 4to. *Paris*, 1858.
Extrait de l'arrêté des Membres de la 7e Session tenue en 1839 au Mans, par lequel la 8e Session est fixée à Besançon. (Tract.)
Fol. *Besançon*, 1840.
Programme. Sessions XXII. and XXIII. (Tract.)
4to. *Paris*?, 1855–56.
Sessions I. et XXII. 3 vols.
8vo. *Rouen, Paris*, and *Le Puy*, 1833–55.

France. Institut des Provinces (des sociétés savantes et des congrès scientifiques de France). Annuaire. (Sér. 1) 1850–1853. Sér. 2. Vol. VI. 8vo. *Paris*, 1864.
Procès-verbal des séances tenues à Caen en octobre 1846. (Tract.) 8vo. *Caen*, 1847.

Frankfurt am Main. Senckenbergische naturforschende Gesellschaft.
Abhandlungen. Band I.–IV. (imperfect) and VII.–IX. 4to. *Frankfort*, 1854–73.
Bericht, 1868–1873. 8vo. *Frankfort*, 1869–73.

Frankfurt am Main. Taschenbuch für die gesammte Mineralogie mit Hinsicht auf die neuesten Entdeckungen. Von K. C. von Leonhard. Jahrg. I.–XII. 8vo. *Frankfort*, 1807–18.

Freiberg im Breisgau. Bergmännisches Journal. Jahrg. I.–VI., 1788–1794. Neues Bergmännisches Journal. Band I.–IV., 1795–1804. 8vo. *Freiberg*, 1788–1804.

Freiberg im Breisgau. Berg- und Hüttenmännische Zeitung mit besonderer Berücksichtigung der Mineralogie und Geologie. Ser. 2, Jahrg. I. (whole series Jahrg. VI.). 4to. *Freiberg*, 1847.

Freiberg im Breisgau. Sächsische (königliche) Berg-Akademie.
Festschrift zum hundertjährigen Jubiläum, 1866. 8vo. *Dresden*, 1866.
Fortschritte der berg- und hüttenmännischen Wissenschaften in den letzten hundert Jahren. 8vo. *Freiberg*, 1867.

Freiburg in Baden. Naturforschende Gesellschaft.
Berichte über die Verhandlungen. Band IV. 8vo. *Freiburg*, 1867.

Geneva. Bibliothèque Universelle de Genève. Supplément. Archives des Sciences physiques et naturelles; par MM. de la Rive, Marignac et J. Pictet. Tom. I. Nos. 1–3. (Tracts.) 8vo. *Geneva*, 1846.

Geneva. Société de Géographie.
Bulletin. Tom. I. (incomplete?). 8vo. *Geneva*, 1860.
Mémoires. Tom. I. (incomplete?). 8vo. *Geneva*, 1860.

Geneva. Société de Physique et d'Histoire naturelle.
Mémoires. Tom. I. etc. 4to. *Geneva*, 1821 *etc.*

Germany. Versammlung (Gesellschaft) der deutschen Naturforscher und Aertzte.
Amtlicher Bericht, XII.?, XXIX., XXXIII., XXXIV., and XXXIX. (1834, 1852, 1857, 1858, and 1864.) 4to. *Stuttgart*, *Wiesbaden*, *Bonn*, *Carlsruhe*, and *Giessen*, 1835–65.
Tageblatt, Vers. 32, 33, 41, and 42. 8vo. *Vienna*, *Bonn*, *Frankfort*, and *Dresden*, 1856–57, 1867–68.

Giessen. Jahresbericht über die Fortschritte der reinen, pharmaceutischen und technischen Chemie, Physik, Mineralogie, und Geologie, von Liebig, etc., 1852 u. 1853. 8vo. *Giessen*, 1853–54.

Giessen. Oberhessische Gesellschaft für Natur- und Heilkunde.
Bericht. Band I. etc. 8vo. *Giessen*, 1855 *etc.*

Glasgow. Geological Society.
Transactions. Vols. I. etc. (part 1, 2 copies). 8vo. *Glasgow*, 1864 *etc.*

Glasgow. Natural-History Society.
Proceedings. Vols. I. (imperfect) etc. 8vo. *Glasgow*, 1869 *etc.*

Glasgow. Philosophical Society.
Proceedings. Vols. I.–III. 8vo. *Glasgow*, 1844 *etc.*

Gloucester. Cotteswold Naturalists' [Field] Club.
Proceedings. Vols. I. (imperfect) etc.
8vo. *London* and *Gloucester*, 1853 *etc.*

Göttingen. Gesellschaft (königliche) der Wissenschaften.
Gelehrte Anzeiger. A few parts for the years 1805, 1809, and 1811–1815. (Tracts.) 8vo. *Göttingen*, 1805–15.

Göttingen. Göttingischer Verein bergmännischer Freunde.
Studien. Band I.–VI. 8vo. *Göttingen*, 1824–54.

Göttingen. Taschenbuch für Freunde der Gebirgskunde. [The first part only.] (Tract.) 8vo. *Göttingen*, 1798.

Grahamstown. Eastern Province Monthly Magazine. Nos. 1, 8, 10–11, and 17. (Vols. I. & II.) (Tracts.)
8vo. *Grahamstown*, 1856–57.

Gratz. Geognostisch-montanistischer Verein für Steiermark.
Bericht. Band V., VI., and VIII. (Tracts.)
8vo. *Gratz*, 1856–59.

Haarlem. Hollandsche Maatschappj der Wetenschappen (Société Hollandaise des Sciences).
Archives Néerlandaises des Sciences exactes et naturelles. Tom. I. etc. (imperfect). 8vo. *The Hague* and *Haarlem*, 1866 *etc.*
Extraits des Programmes pour les années 1850, 1852, 1856, et 1858. (Tracts.) 4to. *Haarlem*, 1840–58.
Natuurkundige Verhandelingen. Ver. 2, Deel III. (St. 2)–VI. en XXII. (St. 3). 1847–1865. Ver. 3, Deel I. etc. 1872 etc.
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Notice historique. Liste des Protecteurs, Présidents, Sécrétaires, Directeurs et Membres, résidents et étrangers, et liste des Publications de la Société depuis sa fondation en 1752.
8vo. *Haarlem*, 1876.
See LIBRARIES, CATALOGUES OF.

Haarlem. Teyler's Tweede Genootschap.
Verhandelingen. Stuk XXI. 4to. *Haarlem*, 1832.

Halifax. Literary and Philosophical Society.
Annual Report for . . . 1868. 8vo. *Halifax*, 1868.

Halifax, N. S. Nova Scotian Institute of Natural Science.
Proceedings and Transactions. Vols. I. etc. (imperfect).
8vo. *Halifax*, 1867 *etc.*

Halifax, N. S. Technological Institute.
Annual Announcement. I. 8vo. *Halifax*, 1878.

Halle. Der Naturforscher. Stück I.–XXIV. 8vo. *Halle*, 1774–89.

Halle. Naturwissenschaftlicher Verein (für die Provinzen Sachsen und Thüringen).
Bericht über die bisherige Thätigkeit und den gegenwärtigen Stand. (Tract.) 8vo. *Halle*, 1855.
Abhandlungen. Band I. u. II. 4to. *Berlin*, 1860–61.
Jahresbericht. Jahrg. II.–V. 1849–1852. 8vo. *Berlin*, 1850–52.
Zeitschrift für die gesammten Naturwissenschaften. Band I. etc.
8vo. *Halle*, 1853 *etc.*

Hamburg. Naturwissenschaftlicher Verein.
Abhandlungen aus dem Gebiete der Naturwissenschaften. Band I.–III. (imperfect). 4to. *Hamburg*, 1848–56.

Hanau. Wetterauische Gesellschaft für die gesammte Naturkunde.
Festgabe bei ihrer 50-jährigen Jubelfeier am 1858.
8vo. *Hanau*, 1858.
Jahresbericht (*afterwards* Bericht). 1850 etc. 8vo. *Hanau*, 1851 *etc.*

Hanley. See STAFFORD.

Hanover. Naturhistorische Gesellschaft.
Jahresbericht. No. XXII. 1871–72. 8vo. *Hanover*, 1872.

Havre. Société géologique de Normandie.
Bibliographie géologique de la Normandie. 1er fascicule.
8vo. *Havre*, 1876.
Bulletin. Tom. I.–IV. 1874–1877. 8vo. *Havre*, 1875–78.
Exposition géologique et paléontologique du Havre. Guide du Visiteur, 1877. (Congrès de l'Association française.)
8vo. *Havre*, 1877.

Heidelberg. Jahrbuch (*subsequently* Neues Jahrbuch) für Mineralogie, Geologie und Petrefaktenkunde. Herausgegeben von Leonhard, etc. Jahrgang 1830 etc. and indices.
Heidelberg and *Stuttgart*, 1830 *etc.*

Heidelberg. Naturhistorisch-medizinischer Verein.
Verhandlungen. Ser. 1, Band I.–VI. (1857–1872.) Ser. 2, Band I. etc. (1874 etc.) 8vo. *Heidelberg*, 1857 *etc.*

Hereford. Woolhope Naturalists' Field-Club.
Rules. (Tract.) 8vo. *Hereford*, 1852.
Transactions. Vols. I. etc. 1866 etc. 8vo. *Hereford*, 1868 *etc.*

Hobart Town. Philosophical Society of Tasmania.
Tasmanian Journal of Natural Science, Agriculture, Statistics, &c. Vol. I. 8vo. *Hobart Town*, 1842.

Hobart Town. Royal Society of Van Diemen's Land (*afterwards* of Tasmania).
Papers and Proceedings. Ser. 1, Vols. I.–III., 1849–1859. (Vol. III. has a Supplement—Meteorological Observations taken at Hobart Town, Tasmania, during the years 1856–7–8. Francis Abbott, Observer. 4to, 1859.) Ser. 2 (*sometimes called* Monthly Notices of Papers &c.), 1863 etc. 8vo. *Hobart Town*, 1851 *etc.*
Rules. (Tract.) 8vo. *Hobart Town*, 1848.

Hong Kong. China Branch of the Royal Asiatic Society.
Transactions, 1847. 8vo. *Hong Kong*, 1848.

Hull. Literary and Philosophical Society, at Kingston-upon-Hull.
Annual Reports, I.–III. (Tracts.) 8vo. *Hull*, 1825–26.
Laws. (Tract.) 8vo. *Hull*, 1826.

Innsbruck. Beiträge zur Geschichte, Statistik, Naturkunde und Kunst von Tirol und Vorarlberg. Herausgegeben von den Mitgliedern des Ferdinandeums, von Merst, von Pfaundler und Röggel. Band III. 8vo. *Innsbruck*, 1827.
Nachträge und Berichtigungen zum ersten Band der tyrolischen Zeitschrift, von A. von Pfaundler. (Tract.) 8vo.

International. International Congress of Prehistoric Archæology. (Congrès international d'Anthropologie et d'Archéologie préhistorique.)
Transactions—Compte rendu. Sess. III. and V., 1868, 1871.
8vo. *London* and *Boulogne*, 1869–73.

International. International Statistical Congress.
Programme of the Fourth Session. 4to. *London*, 1860.
Report of the Proceedings of the Fourth Session. 4to. *London*, 1861.

Irkoutsk. Записки Сибирскаго—Siberian section of the Imperial Russian Geographical Society.
Memoirs. Vols. IX. and X. 8vo. *Irkoutsk*, 1867.

Italy. Congresso degli scienziati Italiani.
Porzione degli atti della (IX.) sezione di geologia. Venezia, 1847.
(Tract.) 2 copies. 4to. *Genoa*, 1853.

Italy. Congresso scientifico letterario straordinario del 1865 in Napoli.
(Tract.) 8vo. *Naples*, 1865.

Italy. Riunione degli scienziati Italiani.
Atti verbali della sezione di geologia, mineralogia, e geografia. 1842.
(Tract.) 4to. *Padua*, 1843.

Ithaca, N. Y. Cornell University.
Bulletin. (Science.) Vol. I. Nos. 1 and 2. (2 copies.)
8vo. *Ithaca, N. Y.*, 1874.

Jena. Leopoldinisch-Carolinischen (kaiserliche) Akademie der Naturforscher. See DRESDEN.

Jena. Societät für die gesammte Mineralogie.
Annalen. Band I. 8vo. *Jena* and *Leipzig*, 1802.

Kansas. Western Review of Science and Industry. Edited by Theo. S. Case. Vol. I. (1877–78). 8vo. *Kansas City, Mo.*, 1878.

Kansas. Kansas City. Review of Science and Industry. Edited by Theo. S. Case. Vol. II. Nos. 7, 9, and 11.
8vo. *Kansas City, Mo.*, 1878–79.

Kasan. Казанскаго Университета—Imp. Kasan University.
Извѣстія и Ученыя Записки—Bulletin and Scientific Memoirs. 1865. BB. VI. & XIII. 8vo. *Kasan*, 1866–67.
Ученыя Зап. Имп. Каз. Унив. Memoirs. 1863 etc. (Imperfect.)
8vo. *Kasan*, 1863 *etc.*

Kingston-upon-Hull. See HULL.

Klagenfurt. Naturhistorische Landesmuseum von Kärnten.
Jahrbuch. Heft V. 8vo. *Klagenfurt*, 1862.

Laudau. Pollichia, ein naturwissenschaftlicher Verein der bayerischen Pfalz.
Jahresbericht II.–VI., VIII., IX. (6 nos.). 8vo. *Neustadt*, 1844–51.

Lausanne. Société Vaudoise des Sciences naturelles.
Bulletin. Tom. I. etc. 1842 etc. 8vo. *Lausanne*, 1846 *etc.*
Catalogue des Ouvrages et Brochures: rédigé par M. Louis Rivier. (Tract.) 8vo. *Lausanne*, 1850.
Règlements. (Tract.) 8vo. *Lausanne*, 1859.

Lautern. See SERIALS, ETC.: MANNHEIM.

Leeds. Geological and Polytechnic Society of the West Riding of Yorkshire.
Proceedings. Vols. I. (imperfect) etc. 1839 etc.
8vo. *Leeds*, 1849 *etc.*

Leeds. Philosophical and Literary Society.
Address [The Worth of Life] delivered at the opening of the Fifty-eighth Session, . . . October, 1877, by William [Thomson], Lord Archbishop of York. 8vo. *London*, 1877.

Leeds. Philosophical and Literary Society.
Annual Reports for 1871–78. (1875–76 missing.)
8vo. *Leeds*, 1872–78.
Reports of the Council, VI.–XV., XVII.–XXI., XXIII., and XXIV. etc. 8vo. *Leeds*, 1826 *etc.*
Transactions. Vol. I. part 1. 8vo. *London* and *Leeds*, 1837.

Leeds. Yorkshire College of Science.
Annual Report (First), 1874–75. 8vo. *Leeds*, 1875.

Leicester. Literary and Philosophical Society.
Reports, 1852 and 1878. 8vo. *Leicester*, 1852, 1878.
Transactions. Part IV. 1845–1850. 8vo. *Leicester*, 1878.

Leicester. Town Museum.
Reports, 5 & 6. 8vo. *Leicester*, 1877–78.

Leicester. Town Museum Science Classes.
Report of the Committee, 1878. (Tract.)
8vo. *Leicester*, 1878.

Leipzig. Leipziger ökonomisches Societät.
Schriften. Theil III. 8vo. *Dresden*, 1777.

Leipzig. Magazin für die gesammte Mineralogie, Geognosie, und mineralogische Erdbeschreibung. Herausgegeben von K. E. A. von Hoff. Band I. Heft 1–4. (1 vol.)
8vo. *Leipzig*, 1801.

Leipzig. Mineralogische Belustigungen, zum Behuf der Chymie und Naturgeschichte des Mineralreichs. Band I.–V.
8vo. *Leipzig*, 1768–70.

Leipzig. Naturforschende Gesellschaft.
Sitzungsberichte. Jahrg. II.–IV. 1875–1877.
8vo. *Leipzig*, 1875–77.

Leipzig. Zeitschrift für Krystallographie und Mineralogie, herausgegeben von P. Groth. Band. I. etc.
8vo. *Leipzig*, 1877 *etc.*

Lewes. Provincial Magazine, or Literary, Commercial, Agricultural, and Domestic Recorder. Vol. I. No. 1. (Tract.)
8vo. *Lewes*, 1818.

Liége. Société Géologique de Belgique.
Annales. Tom. I. etc. 8vo. *Liége*, 1874 *etc.*

Liége. Société Royale des Sciences.
Mémoires. Ser. 1, Tom. I.–XX. (1843–1866.) Ser. 2, Tom. I. etc. (1866 etc.) 8vo. *Liége*, 1843 *etc.*

Lille. Société Géologique du Nord.
Annales. Vols. I. etc. 8vo. *Lille*, 1870 *etc.*
Mémoires. Vol. I. 4to. *Lille*, 1876.

Lille. Société Royale des Sciences, de l'Agriculture et des Arts.
Mémoires. Ann. 1847–1849. 8vo. *Lille*, 1847–49.

Lima. Memorias de ciencias naturales y de industria nacional y estranjera; da Riviero, etc. Vol. I. (imperfect). 8vo. *Lima*, 1827–28.

Lisbon. Academia real das Sciencias.
Annaes das Sciencias e Lettras publicados debaixo dos auspicios da Academia. Sciencias mathematicas, physicas, historico-naturaes, e medicas. Tomo I. 1ro anno. 8vo. *Lisbon*, 1857.

Lisbon. Academia real das Sciencias.

Annaes das Sciencias e Lettras publicados debaixo dos auspicios da Academia. Sciencias moraes e politicas, e bellas-lettras. Tomo I. 1ro anno. 8vo. *Lisbon*, 1857.

Catalogo das publicações. (Tract.) 8vo. *Lisbon*, 1865.

Jornal de Sciencias Mathematicas, Physicas, e Naturaes. Tom. I. etc. 8vo. *Lisbon*, 1868 *etc.*

Memorias (Historia e). Ser. 1. Tom. I.–XII. 1780–1839.—Ser. 2. Tom. I.–III. 1843–1856.—Ser. 3. Classe de Sciencias mathematicas, physicas, e naturaes. Tom. I., II., III. (part 1), IV. (part 2), and V. (part 1). 1854–1875. Classe de Sciencias moraes, politicas, e bellas-lettras. Tom. I., II., III. (part 1), and IV. (part 1). 1854–1867. 4to. *Lisbon*, 1797–1875.

Relatorio dos trabalhos. Sessão publica em Dezº de 1875, e em Maio de 1877. 8vo. *Lisbon*, 1875, 1877.

Liverpool. Gallery of Inventions and Science.

Annual Report of the Committee &c. No. II. (Tract.) 8vo. *Liverpool*, 1862.

Liverpool. Liverpool Geological Society.

Abstract of the Proceedings. Sess. 1–15. (Some in duplicate.) Vols. I.–II. 8vo. *Liverpool*, 1859–74.

Proceedings. Vols. III. etc. (A continuation of the above; some parts in duplicate.) 8vo. *Liverpool*, 1875 *etc.*

Laws and List of Members. (Tract.) 8vo. *Liverpool*, 1861.

Liverpool. Historic Society of Lancashire and Cheshire.

Proceedings. Vols. I.–XXX. 8vo. *Liverpool*, 1849–77.

Liverpool. Literary and Philosophical Society.

[Reports of the] Proceedings. Vols. I. etc. 8vo. *Liverpool*, 1845 *etc.*

Liverpool. Liverpool Naturalists' Field-Club.

Naturalists' Journal. No. 1. 8vo. *Liverpool*, 1866.

Proceedings for the years 1870–71 and 1875–78. 8vo. *Liverpool*, 1871–78.

London. Aeronautical Society of Great Britain.

Inaugural Meeting . . . held at Campden House on January 12th, 1866. (Tract.) 8vo. *London*, 1866.

London. Agricultural (Royal) Society of England.

Journal. Ser. 1. Vols. I.–XXV. 1841–1864.—Ser. 2. Vols. I. etc. 1865 etc. 8vo. *London*, 1841 *etc.*

Minutes of Proceedings at Meetings of the Chemical Committee. 8vo. *London*, 1876.

London. Analyst. *See* Society of Public Analysts.

London. Annals of Natural History; or Magazine of Zoology, Botany, and Geology (*afterwards* Annals and Magazine of Natural History, including Zoology, Botany, and Geology). Ser. 1. Vols. I.–XIX. 1838–1847.—Ser. 2. Vols. I.–XX. 1848–1857.—Ser. 3. Vols. I.–XX. 1858–1867.—Ser. 4. Vols. I.–XX. 1868–1877.—Ser. 5. Vols. I. etc. 1878 etc. 8vo. *London*, 1838 *etc.*

See also Magazine of Natural History.

London. Annals of Philosophy; or Magazine of Chemistry, Mechanics, Natural History, Agriculture, and the Arts. (Thomson's.) (Ser. 1. Vols. I.–XVI., 1813–1820. Ser. 2. Vols. I.–XII., 1821–1826.) Vols. I.–XXVIII. 8vo. *London*, 1813–26.

See also Philosophical Magazine.

London. Anthropological Society.

Anthropological Review. Vols. I. and III.–VII. (Imperfect.) 8vo. *London*, 1863–69.

Journal. Vol. IV. 8vo. *London*, 1866.

London. Archives of Dentistry: a Record of Dental Knowledge. Edited by E. Truman. Vol. I. 8vo. *London*, 1865.

London. Art-Union.

Annual Reports of the Council, 1853, 1858–1859, 1862, 1866–72, 1874 etc. 8vo. *London*, 1853 *etc.*

London. Assurance Magazine. Vols. II.–XIV. (Imperfect.) 8vo. *London*, 1852–69.

London. Astronomical (Royal) Society.

Charter and Bye-Laws, 1844. (Tract.) 8vo. *London*, 1844.

Memoirs. Vols. I. etc. With a general Index to the first thirty-eight volumes of the Memoirs (8vo), 1871. 4to. *London*, 1822 *etc.*

Monthly Notices. Vols. I.–III. (very imperfect), VII.–XVIII., XXVIII.–XXX., and XXXV. No. 4. With Index. 8vo. *London*, 1827–75.

London. Athenæum Journal of English and Foreign Literature, Science, Fine Arts, Music, and the Drama. 4to. *London*, 1831 *etc.*

London. Atlantis: A Register of Literature and Science. Vols. I.–IV. 8vo. *London*, 1858–63.

London. Botanical (*afterwards* Royal) Society.

Catalogue of British Orders and Genera (of Plants). See COOPER (Daniel).

Proceedings. Vol. I. part 1. 8vo. *London*, 1839.

London. British Association.

Reports of the Meetings. 1831 etc. 8vo. *London*, 1835 *etc.*

London. British Pomological Society.

Rules. (Tract.) 8vo. *London*, 1858.

London. Canadian News, New-Brunswick Herald, and British-Columbian Intelligencer. Nos. 71–105. 4to. *London*, 1859–60.

London. Cape and Natal News; a Monthly Record of the Progress of the South-African Colonies. 4to. *London*, 1858–59.

London. Chemical News, and Journal of Physical Science (with which is incorporated the 'Chemical Gazette'). Vols. XV. etc. 4to. *London*, 1867 *etc.*

London. Chemical Society.

Journal (*at first* Quarterly). Vols. I. etc. (Ser. 1, Vols. I.–XIV., 1849–1862. Ser. 2, Vols. I.–XIV., 1863–1875. Vols. for 1876, I. & II. Vols. for 1877, I. & II. Vol. XXXIII., 1878, the whole-series numbers being here again adopted.) 8vo. *London*, 1849 *etc.*

Memoirs. Vols. I.–III. 1841–1843. 8vo. *London*, 1843–48.

London. Civil Engineer and Architect's Journal (incorporated with the Architect). Vols XVI.–XIX. and Vol. XX. Nos. 274–280. 4to. *London*, 1853–57.

London. College for Civil Engineers.
Prospectus. (Tract.) 8vo, *London.*

London. College (Royal) of Physicians. Catalogue of the Fellows, Candidates, and Licentiates, 1839. 8vo. *London*, 1839.

London. College (Royal) of Surgeons.
Bye-Laws. (Tract.) *London*, no date.
Calendars for the years 1865–1871. 8vo. *London*, 1865–71.
List of the Members, 1838. 8vo. *London*, 1838.
List of the Fellows and Members for the years 1849–1852. 8vo. *London*, 1849–52.

London. Colliery Guardian, and Journal of the Coal and Iron Trades. Vols. I. etc. (some volumes missing or imperfect). Fol. *London*, 1858 *etc.*

London. Critic, London Literary Journal. Vols. XIV. Nos. 351–353, and Vols. XV.–XXV. 4to. *London*, 1855–63.

London. East India Association.
Journal. Vols III. No. 2, IV. No. 1, and VI. etc. 8vo. *London*, 1869 *etc.*

London. Electrical Society.
Proceedings, Sessions 1841–1843. 8vo. *London*, 1843.
Report of the Committee appointed to test the Action of an Instrument invented by Lieut. R. J. Morrison, R.N., and denominated by him a Portable Magnetic Electrometer. (Tract.) 8vo. *London*, 1838.

London. Entomological Magazine. Vols. I.–V. 8vo. *London*, 1833–37.

London. Ethnological Society.
Regulations and List. (Tract.) 8vo. *London*, 1855.
Report of the Council, May 30th, 1860. (Tract.) 8vo. *London*, 1860.

London. Geographical (Royal) Society.
African Exploration Fund, 1877. (Tract.) 2 copies. 4to. *London*, 1877.
Journal. Vols. I.–XLVIII. (with Indices). 8vo. *London*, 1832–78.
Proceedings. Vols. I.–XXII., 1855–1878. 8vo. *London*, 1857–78.
Proceedings . . . and Monthly Record of Geography. Vols I. etc. 8vo. *London*, 1879 *etc.*
The Royal Geographical Society and its Labours. (Tract.) 8vo. *London*, 1846.

See LIBRARIES, CATALOGUES OF.

London. Geological and Natural History Repertory, and Journal of Prehistoric Archæology and Ethnology. Edited by S. J. Mackie. Vols. I. & II., 1865–1869. (Imperfect.) 8vo. *London*, 1867–69.

London. Geological Magazine (with which is incorporated the Geologist). Ser. 1, Vols. I.–X. 1864–1873. Ser. 2, Vols. I. etc. 1874 etc. 2 copies. 8vo. *London*, 1864 *etc.*

London. Geological Record. Edited by William Whitaker. 2 copies. 1875 etc. 8vo. *London*, 1875 *etc.*

London. Geological Society.

Abstracts of the Proceedings. (2 copies, imperfect.) 8vo. *London*, 1856 *etc.*

Proceedings. 4 vols. 2 copies. 8vo. *London*, 1826–45.

Quarterly Journal. Vols. I. etc. 2 copies. 8vo. *London*, 1845 *etc.*

Transactions. Vols. I.–V., 1811–1821. Ser. 2, Vols. I.–VII., 1824–1856. With manuscript index of Authors. 2 copies. 4to. *London*, 1811–56.

London. Geologist: being a record of investigations in Geology, Mineralogy, etc. Edited by Moxon. Vol. I. 8vo. *London*, 1842.

London. Geologist; a popular illustrated monthly magazine of Geology. Edited by Mackie. Vols. I. (2 copies) –VII. 8vo. *London*, 1858–64.

London. Geologists' Association.

Annual Reports, 1864 and 1867–1875. 8vo. *London*, 1868–76.

Lists of the Members, 1859, 1862, and 1868. (Tracts.) 8vo. *London*, 1860–68.

Proceedings. Vols. I. etc., 1859 etc. 8vo. *London*, 1865 *etc.*

Reports of the Excursions to Oxford, Guildford, Caterham Junction, Croydon, Hunstanton, Tottenham, and Crayford. (Tract.) 8vo. *London*, 1869.

See LIBRARIES, CATALOGUES OF.

London. Hardwicke's Science-Gossip. Edited by J. E. Taylor. 1874–1876. 3 vols. 8vo. *London*, 1874–76.

London. Horticultural (Royal) Society.

Bye-Laws for the Garden. (Tract.) 8vo. *London*, 1822.

Journal. Ser. 1, Vols. I.–IX., 1846–1855. Ser. 2, Vol. I., 1866. 8vo. *London*, 1846–66.

Proceedings. Vols. I.–IV. 8vo. *London*, 1861–64.

Reports of the Garden Committee, 1823–1825 and 1827. (Tracts.) 4to. *London*, 1823–27.

Transactions. Vols. I.–VII. 4to. *London*, 1820–30.

London. Institute of British Architects.

Transactions. Vol. I. parts 1 & 2. 4to. *London*, 1836–42.

London. Institution of Civil Engineers.

Minutes of Proceedings. Vols. II. etc. 8vo. *London*, 1861 *etc.*

Transactions. Vols. I.–III. 4to. *London*, 1836–42.

See LIBRARIES, CATALOGUES OF.

London. Institution of Hydronomical and Nautical Engineers.

Published papers, Nos. 1 and 5. (Tracts.) 8vo. *London*, 1867.

London. Intellectual Observer. Vols. I.–XII. 8vo. *London*, 1862–67.

See also Student.

London. Journal of Elemental Locomotion; or monthly advocate of the advantages to arise from the substitution of inanimate for animate power. Edited by Alexander Gordon. Vol. I. (Tract.) 8vo. *London*, 1832–33.

London. Journal of Natural Philosophy, Chemistry, and the Arts. (Nicholson's Journal.) Ser. 2, Vols. I.–XXX.
8vo. *London*, 1802–12.

London. Journal of Travel and Natural History. Edited by A. Murray. Vol. I. 8vo. *London*, 1868–69.

London. Linnean Society.
Journal of the Proceedings. Zoology. Vols. I. etc.
8vo. *London*, 1857 *etc.*
Journal of the Proceedings. Botany. Vols. XII. etc.
8vo. *London*, 1869 *etc.*
Proceedings. Ser. 1, Vols. I. & II., 1838–1855. Ser. 2, Sess. 1864–1875. 8vo. *London*, 1849–76.
Transactions. Vols. IX.–XXX., with Indices.
4to. *London*, 1808–75.
Transactions. Ser. 2. Botany. Vols. I. etc.
4to. *London*, 1876 *etc.*
——. Ser. 2. Zoology. Vols. I. etc. 4to. *London*, 1876 *etc.*
Additions to the Library received from June 20, 1874, to June 19, 1875. (Tract.) 8vo. *London*, 1875.
Charter and Bye-Laws, together with a patent of Armorial Ensigns, and a List of the Society. (Tract.) 4to. *London*, 1802.
Charter and Bye-Laws. (Tract.) 8vo. *London*, 1848.
List. 1852, 1854–1857, and 1859. 8vo. *London*, 1852–59.

London. Literarium, or Educational Gazette; a weekly journal of Education, Literature, Science, and Art. Vols. II.–IV. (very incomplete). 4to. *London*, 1856–57.

London. Literary Fund Society.
Addresses for the Anniversary Festivals, 1840 and 1842. (Tracts.)
8vo. *London*, 1840–42.
Charter of Incorporation, etc. (Tract.)
8vo. *London*, 1840.

London. Literary Gazette, and Journal of Belles-Lettres, Science, and Art (*afterwards* a Weekly Journal of Literature, Science, and the Fine Arts). Ser. 1, 1851–1858 (8 vols.). Ser. 2, Vols. I.–VIII., 1858–1862. 8vo. *London*, 1851–62.

London. London Geological Journal, and record of discoveries in British and Foreign Palæontology. Parts I.–III.
8vo. *London*, 1846–47.

London. London Institution.
Journal. A Programme and Record of Proceedings. Vol. I. and Nos. 18–22 and 27–28. 8vo. *London*, 1871–75.
Lecture Supplement to the Journal. Nos. 26 and 28. (Tracts.)
8vo. *London*, 1875–76.
Selected notices of Lectures delivered during the Winter of 1876–77. (Tract.) 8vo. *London*, 1877.
See LIBRARIES, CATALOGUES OF.

London. London Physiological Journal. Vol. I.
8vo. *London*, 1843–44.

London. London Review, and Weekly Journal of Politics, Literature, Art, and Society. Vols. II.–XV. Fol. *London*, 1861–67.

London. Magazine of Natural History, and Journal of Zoology, Botany, Mineralogy, Geology, and Meteorology.—Ser. 1. Conducted by J. C. Loudon. Vols. I.–IX., 1828–1836.—Ser. 2. Conducted by E. Charlesworth. Vols. I.–IV., 1837–1840.
8vo. *London*, 1828–40.

See Annals of Natural History, etc.

London. Malacological and Conchological Magazine. Edited by Sowerby. Part I. (Tract.) 8vo. *London*, 1838.

London. Mechanics' Magazine, Museum, Register, Journal, and Gazette [*afterwards* and Journal of Engineering, etc.]. Ser. 1, Vol. XXIV. Nos. 645, 649, and 655. Ser. 2, Vols. I. and IX.
4to. *London*, 1859–63.

London. Medical Press and Circular; a Weekly Journal of Medicine and medical affairs. 1868–1869. 4 vols.
4to. *London*, 1868–69.

London. Medico-Botanical [*afterwards* Royal] Society.
Anniversary Addresses. See STANHOPE (Earl).
Transactions for 1832 and 1833; and Vol. I. No. 4, 1839.
8vo. *London*, 1833?–39.
Bye-Laws. (Tract.) 8vo. *London*, 1828.

London. Microscopical Journal and Structural Record. Edited by D. Cooper. Vol. I., 1841. 8vo. *London*, 1842.

London. Microscopical (Royal) Society.
Address of the President (James Glaisher), 1867–1868. (Tract.)
8vo. *London*, 1868.
Journal . . . containing its Transactions, Proceedings, etc. Vols. I. etc. 8vo. *London*, 1878 *etc.*
Monthly Microscopical Journal; Transactions of the . . . Society, and Record of Histiological research at home and abroad. Vols. I.–XVI. (Vols. IX., XIII., and XIV. imperfect).
8vo. *London*, 1869–76.
Transactions. Ser. 1, Vols. I.–III., 1844–1852. Ser. 2, Vols. I.–XVI. (*See also* Quarterly Journal of Microscopical Science.)
8vo. *London*, 1853–68.
Constitution and Laws. (Tract.) 8vo. *London*, 1866.

London. Midland Scientific Association.
Transactions. Part II. 8vo. *London*, 1870.

London. Mining and Smelting Magazine. Vols. I.–VII.
8vo. *London*, 1862–65.

London. Mining Journal and Commercial Gazette. Vols. I.–XX. (some imperfect). Fol. *London*, 1835–50.

London. Mining Review; a monthly record of Geology, Mineralogy, and Metallurgy. Vol. IV. (Nos. 4, 7, and 8 in duplicate), and Vol. V. No. 5. (Tract.) 4to. *London*, 1838.

See Quarterly Mining Review.

London. Monthly Microscopical Journal. *See* Microscopical Society.

London. Natural History Review; a quarterly journal of Biological Science. Vols. I.–V. 8vo. *London*, 1861–65.

London. Naturalists' Note Book. Vols. II.–III. (imperfect).
8vo. *London*, 1868–69.

London. Nature; a weekly illustrated journal of Science. Vols. I. etc. Fol. *London*, 1870 *etc.*

London. Nicholson's Journal. *See* Journal of Natural Philosophy.

London. Notes on Books; being a Quarterly analysis of the works published by Messrs. Longman and Co. Vol. II. From March 1860 to February 1865. 4to. *London*, 1865.

London. Numismatic Society.
Proceedings, 1836–1839. 8vo. *London*, 1837–40.

London. Odontological Society of Great Britain.
Transactions. Vols. IV.–VI. 8vo. *London*, 1865–68.

London. Our Friend; a monthly miscellany adapted for all classes. Nos. II.–V. February to May 1854. (Tracts.) 8vo. *London*, 1854.

London. Palæontographical Society. Publications. 2 copies. 4to. *London*, 1877 *etc.*

Adams (A. L.). Fossil Elephants. 1877 etc.

Bell (T.). Fossil Malacostracous Crustacea. 1857.

——. *See* Owen (R.).

Binney (E. W.). Structure of Fossil Plants found in the Carboniferous Strata. 1868 etc.

Brady (G. S.), Crosskey (H. W.), and Robertson (D.). Post-Tertiary Entomostraca of Scotland, including species from England and Ireland. 1874.

Brady (H. B.). Carboniferous and Permian Foraminifera (the genus *Fusulina* excepted). 1876.

Busk (G.). Fossil Polyzoa of the Crag. 1859.

Darwin (C. R.). Fossil Lepadidæ, or pedunculated Cirripedes. 1851.

——. Fossil Balanidæ and Verrucidæ. 1854.

Davidson (J.). Fossil Brachiopoda. 1851 etc.

Dawkins (W. B.) and Sanford (W. A.). Pleistocene Mammalia. 1866 etc.

Duncan (P. M.). Fossil Corals. Second Series. Being a Supplement to the 'Monograph of the British Fossil Corals,' by MM. H. M. Edwards and Haime. 1866–1872.

Edwards (F. E.). Eocene Mollusca, or descriptions of shells from the older Tertiaries of England. 1849–1858.

Edwards (H. Milne) and Haime (J.). Fossil Corals. 1850–55.

Forbes (E.). Echinodermata of the British Tertiaries. 1852.

Gardner (J. S.) and Ettingshausen (C. v.). Eocene Flora. 1879 etc.

Jones (T. R.). Entomostraca of the Cretaceous Formation of England. 1849.

——. Tertiary Entomostraca of England. 1857.

——. Fossil Estheriæ. 1862.

——, Kirkby (J. W.), and Brady (G. S.). Fossil Bivalved Entomostraca from the Carboniferous Strata. 1874 etc.

——, Parker (W. K.), and Brady (H. B.). Foraminifera of the Crag. 1866 etc.

King (W.). Permian Fossils of England. 1850.

London. Palæontographical Society. Publications.

Lycett (J.). Fossil Trigoniæ. 1872–1879.

——. Mollusca from the Stonesfield Slate, Great Oolite, Forest Marble, and Cornbrash. [Supplementary Monograph.] 1863.

Miall (L. C.). Sirenoid and Crossopterygian Ganoids. 1878 etc.

Morris (J.) and Lycett (J.). Mollusca from the Great Oolite, chiefly from Minchinhampton and the coast of Yorkshire. [Supplemented by J. Lycett, *q. v.*] 1850–1855.

Owen (R.). Fossil Reptilia of the Cretaceous Formations. 1851–1864.

——. Fossil Reptilia of the Wealden and Purbeck Formations. 1853–64 etc.

——. ——. Supplements. 1871 etc.

——. Fossil Reptilia from the Kimmeridge Clay. 1860 etc.

——. Fossil Reptilia of the Liassic Formations. 1861 etc.

——. Fossil Cetacea from the Red Crag. 1870 etc.

——. Fossil Mammalia of the Mesozoic Formations. 1871.

——. Fossil Reptilia of the Mesozoic Formations. 1874 etc.

—— and Bell (T.). Fossil Reptilia of the London Clay and of the Bracklesham and other Tertiary Beds. 1849–1858.

Phillips (J.). Belemnitidæ. 1865.

Powrie (J.) and Lankester (E. R.). Fishes of the Old Red Sandstone. 1868 etc.

Salter (J. W.). Trilobites. 1864.

Sharpe (D.). Fossil Remains of Mollusca found in the Chalk of England. 1853–1856.

Traquair (R. H.). Ganoid Fishes of the British Carboniferous Formations. 1877 etc.

Wood (S. V.). Crag Mollusca, with descriptions of shells from the Upper Tertiaries. 1848–1874.

——. Eocene Bivalves of England. 1861 etc.

Woodward (H.). Fossil Crustacea belonging to the order Merostomata. 1866–1878.

Wright (T.). Fossil Echinodermata from the Oolitic Formations. 1856–1880.

——. Fossil Echinodermata from the Cretaceous Formations. 1864 etc.

——. Lias Ammonites. 1878 etc.

London. Parthenon; a weekly journal of Literature, Science, and Art. Vols. I. and II. (imperfect). 4to. *London*, 1862–63.

London. Philosophical Magazine; comprehending the various branches of Science, etc.—Ser. 1. Vols. I.–XLI. and LXI.–LXVIII., 1798–1826. [With Vol. XLIII. Nicholson's Journal was incorporated.] —Ser. 2. Philosophical Magazine, or Annals of Chemistry, Mathematics, etc. [including the Annals of Philosophy]. Vols. I.–XI., 1827–1832.—Ser. 3. London and Edinburgh [and with Vol. XVII. "and Dublin"] Philosophical Magazine and Journal of Science [including the Edinburgh Journal of Science]. Vols. I.–XXXVII., 1832–1850.—Ser. 4. Vols. I.–L., 1851–1875.—Ser. 5. Vols. I. etc., 1876 etc. 8vo. ***London*, 1798** *etc.*

London. Photographic Society of London [*afterwards* of Great Britain]. Journal. Vols. I.–XVI., 1854–1873.—Ser. 2. Journal and Transactions. Vols. I. etc., 1874 etc. 8vo. *London*, 1854 *etc.*

London. Physical Society.

Illustrations of the Centimetre-Gramme-Second (C.G.S.) System of Units. By J. D. Everett. 8vo. *London*, 1875.

Proceedings. Vol. I., 1874–1875. 8vo. *London*, 1876.

London. Phytologist; a popular Botanical miscellany. Part I. and Nos. 31–34. 8vo. *London*, 1842–44.

London. Popular Magazine of Anthropology. Vol. I. 8vo. *London*, 1866.

London. Popular Science Review, a quarterly miscellany of entertaining and instructive articles on scientific subjects. Ser. 1, Vols. XIII.–XV. Ser. 2, Vol. I. 8vo. *London*, 1874 *etc.*

London. Quarterly Journal of Microscopical Science. Vols. I.–VIII. New Series, Vols. I.–VIII. 8vo. *London*, 1853–67.

London. Quarterly Journal of Science. Vols. I.–VII. 8vo. *London*, 1864–70.

London. Quarterly Mining Review [*afterwards* Mining Review]. By H. English. Vols. II.–IV. (Vol. IV. is Vol. I. of a new series, and was the last published.) 8vo. *London*, 1831–37.

London. Quekett Microscopical Club.

Journal. Vols. I.–IV. (incomplete) and Vols. V. etc. 8vo. *London*, 1869 *etc.*

Reports (with lists of Members), 2, 4–8, and 10. 8vo. *London*, 1867–75.

London. Ray Society.

PUBLICATIONS:—

Agassiz (Louis). Bibliographia Zoologiæ et Geologiæ; a general catalogue of all books, tracts, and memoirs on zoology and geology. Corrected, enlarged, and edited by H. E. Strickland. 4 vols. 8vo. *London*, 1848–54.

Alder (Joshua) and Hancock (Albany). A Monograph of the British Nudibranchiate Mollusca. 4to. *London*, 1845.

Allman (G. J.). A Monograph of the Freshwater Polyzoa. 4to. *London*, 1856.

——. A Monograph of the Gymnoblastic or Tubularian Hydroids. 4to. *London*, 1871–72.

Baird (W.). The Natural History of the British Entomostraca. 8vo. *London*, 1850.

Blackwall (John). A History of the Spiders of Great Britain and Ireland. 4to. *London*, 1861–64.

Bowerbank (J. S.). A Monograph of the British Spongiadæ. 3 vols. 8vo. *London*, 1864–74.

Brady (G. Stewardson). A Monograph of the free and semi-parasitic Copepoda of the British Islands. Vols. I. & II. 8vo. *London*, 1878, 1880.

Braun (A.). The phenomenon of Rejuvenescence in Nature, especially in the life and development of plants. Translated by A. Henfrey. 8vo. *London*, 1853.

London. Ray Society.

PUBLICATIONS :—

Brown (Robert). Miscellaneous botanical works. Edited by John J. Bennett. 2 vols. 8vo; Atlas, 4to. *London*, 1866–68.

Buckton (George Bowdler). Monograph of the British Aphides. Vols. I. & II. 8vo. *London*, 1876–79.

Burmeister (H.). The organization of Trilobites, deduced from their living affinities. Edited by Professors Bell and E. Forbes. 4to. *London*, 1846.

Carpenter (W. B.), Parker (W. K.), and Jones (T. R.). Introduction to the Study of the Foraminifera. 4to. *London*, 1862.

Cohn (Ferdinand). An abstract of the Natural History of *Protococcus pluvialis*. Translated by George Busk. 8vo. *London*, 1853.

Darwin (Charles). A Monograph of the Subclass Cirripedia, with figures of all the species. 2 vols. 8vo. *London*, 1851, 1854.

Derham (W.), Smith (J. E.), Cuvier (G.), and Dupetit-Thouars (A. A.). Memoirs of John Ray, consisting of his life, biographical and critical notices, and his itineraries, etc. Edited by Edwin Lankester. 8vo. *London*, 1846.

Douglas (John William) and Scott (John). The British Hemiptera. Vol. I. Hemiptera-Heteroptera. 8vo. *London*, 1865.

Eschricht (R.) and Lilljeborg (W.). Recent memoirs on the Cetacea. Edited by W. H. Flower. 4to. *London*, 1866.

Forbes (E.). A Monograph of the British Naked-eyed Medusæ. 4to. *London*, 1848.

Grisebach (A. H. R.). On Botanical Geography. Translated by W. G. Macdonald and George Busk. 8vo. *London*, 1846.

——. Report on Geographical Botany for 1844. 8vo. *London*, 1849.

——. Report on Geographical and Systematic Botany for 1845. 8vo. *London*, 1849.

Günther (A. C. L. G.). The Reptiles of British India. 4to. *London*, 1864.

Henfrey (Arthur). Reports and papers on Botany. 8vo. *London*, 1849.

Hofmeister (William). On the germination, development, and fructification of the higher Cryptogamia, and on the fructification of the Coniferæ. Translated by F. Currey. 8vo. *London*, 1862.

Huxley (T. H.). The Oceanic Hydrozoa; a description of the Calycophoridæ and Physophoridæ observed during the voyage of H.M.S. 'Rattlesnake' in 1846–1850. 4to. *London*, 1859.

Leighton (W. A.). The British species of Angiocarpous Lichens elucidated by their Sporidia. 8vo. *London*, 1851.

Link (H. F.). The Progress of Physiological Botany in 1841. Translated by E. Lankester. 8vo. *London*, 1841–42.

——. Report on Botany. Translated by J. Hudson. 8vo. *London*, 1846.

——. Report on Physiological Botany for 1844–45. 8vo. *London*, 1849.

London. Ray Society.

PUBLICATIONS:—

Lubbock (John). Monograph of the Collembola and Thysanura. With an Appendix on the Scales of Collembola and Thysanura by Joseph Beck. 8vo. *London*, 1873.

M'Intosh (W. C.). A Monograph of the British Annelids. Part I. 4to. *London*, 1873.

Masters (Maxwell T.). Vegetable Teratology. Illustrated by E. M. Williams. 8vo. *London*, 1869.

Meneghini (G.). On the animal nature of the Diatomeæ, with an organographical revision of the Genera established by Kützing. Translated by Christopher Johnson. 8vo. *London*, 1853.

Meyen (F. J. F.). Outlines of the Geography of Plants. Translated by Margaret Johnston. 8vo. *London*, 1846.

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——. On Vegetable Cells. Part ii. 8vo. *London*, 1849.

——. On the Utricular Structure in the contents of Cells. 8vo. *London*, 1849.

Nitzsch (C. L.). Pterylography. Translated from the German. Edited by P. L. Sclater. 4to. *London*, 1867.

Oken (Lorenz). Elements of Physio-philosophy. Translated from the German by Alfred Tulk. 8vo. *London*, 1847.

Parker (W. K.). A Monograph of the Structure and Development of the Shoulder-girdle and Sternum in the Vertebrata. 4to. *London*, 1868.

Ray (John). The correspondence of John Ray; consisting of selections from the philosophical letters published by Dr. Derham and original letters of John Ray, in the collection of the British Museum. Edited by Edwin Lankester. 8vo. *London*, 1848.

Steenstrup (Joh. Japetus Sm.). On the Alternation of Generations, etc. Translated from the German version of C. H. Lorenzen, by George Busk. 8vo. *London*, 1845.

Wagner (A.), Troschel (F. H.), Erichson (W. F.), and Siebold (C. T. von). The progress of Zoology in 1842. Translated by W. B. Macdonald. 8vo. *London*, 1841–42.

——, ——, ——, ——. Reports on Zoology for 1843–44. Translated by George Busk, Alfred Tulk, and Alexander H. Halliday. 8vo. *London*, 1847.

Williamson (W. C.). On the recent Foraminifera of Great Britain. 4to. *London*, 1845.

Zuccarini (J. G.). On the Morphology of the Coniferæ. Translated by George Busk. 8vo. *London*, 1846.

London. Reader; a Review of Literature, Science, and Arts. Vols. I.–VIII. Fol. *London*, 1863–66.

London. Records of Mining. Edited by John Taylor. Part I. (Tract.) 4to. *London*, 1829.

London. Royal Asiatic Society of Great Britain and Ireland.
Annual Reports, 10 (1833), 13 (1836), 14 (1837), and 52 (1875). 8vo. *London* and *Hertford*, 1835–75.
Committee of Correspondence. (Tract.) Fol. *London*, 1823.
Journal. Ser. 1, Vols. I.–XX., 1834–1863. Ser. 2, Vols. I. etc., 1865 etc. 8vo. *London*, 1834 *etc.*
Proceedings, 1832, 1833, and 1836. (Imperfect.) 8vo. *London*, 1832–36.
Proceedings of the Committee of Agriculture and Commerce, 1837–1839 and 1841. 8vo. *London*, 1837–41.
Regulations. (Tract.) 4to. *London*, 1823–27.
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See LIBRARIES, CATALOGUES OF.

London. Royal Institution of Great Britain.
Journal. Ser. 2, Vols. I. and II., 1830–1331. 8vo. *London*, 1831–32.
Journal (*afterwards* Quarterly) of Science (Literature) and the Arts. Vols. I.–XXII. and Index, 1816–1827. Ser. 2, Vols. I.–VI., 1827–1830. 8vo. *London*, 1816–30.
Notices of the Proceedings. Vols. I. etc. 8vo. *London*, 1854 *etc.*
Lectures on Education. 8vo. *London*, 1855.
List of the Members, Officers, &c., with the Report of the Visitors. 1849–1862, 1866, 1874, 1875. 8vo. *London*, 1850–75.
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London. Royal Society.
Catalogue of Scientific Papers. Vols. I.–VIII. 4to. *London*, 1867–79.
Descriptive Catalogue of the Portraits in the possession of the Royal Society. By Charles Richard Weld. (Tract.) 8vo. *London*, 1860.
Diplomata et Statuta regalis Societatis Londini. (Tract.) 4to. *London*, 1823.
——. (Tract.) 4to. *London*, 1831.
History of the Society. See SPRAT (Thomas) and GRANVILLE (A.B.).
Philosophical Transactions and Collections, abridged. Vols. I.–III., 4th edition; Vols. IV. and V., 2nd edition; and Vol. VI. (to the end of the year 1733). 4to. *London*, 1731–34.
——. Vols. I.–XVIII. (1665–1800). New edition. 4to. *London*, 1809.
Philosophical Transactions. Vols. LXII.–LXXXII. (part 1) and Vol. XCI. (1801) etc. 4to. *London*, 1772 *etc.*
Proceedings. Vols. I. etc. 8vo. *London*, 1832 *etc.*
Report of the Relief Fund Committee. (Tract.) 8vo. *London*, 1864.
Statutes: made in the year 1823. (Tract.) 4to. *London*, 1823.
——. (Tract.) 4to. *London*, 1831.
——. (Tract.) 8vo. *London*, 1847.
See LIBRARIES, CATALOGUES OF.

London. School (Royal) of Mines. Magazine. Vol. I. Nos. 1 & 2. 8vo. *London*, 1876–77.

London. Scientific Memoirs, selected from the Transactions of Foreign Academies of Science and learned Societies, and from Foreign Journals. Edited by Richard Taylor. 5 vols. 8vo. *London*, 1837–52.

London. Scientific Society.
Proceedings. Vols. I. & II. 8vo. *London*, 1839–40.

London. Society (Royal) of Literature.
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London. Society (instituted at London for the encouragement) of Arts (Manufactures and Commerce).
Journal. Vols. I. etc. 8vo. *London*, 1852 *etc.*
Transactions. Vols. I. (3rd edition)–LIV. 8vo. *London*, 1806–43.
Premiums offered in the Sessions 1827–1836, 1838–1842, 1843–1845, and 1852–1853. 8vo. *London*, 1827–53.

London. Society of Biblical Archæology.
Transactions. Vols. I. etc. (imperfect). 8vo. *London*, 1872 *etc.*

London. Society of Medical Officers of Health.
Annual Report, 1876 etc. 8vo. *London*, 1877 *etc.*

London. Statist. 1854, pp. 1–40. (Tract.) 8vo. *London*, 1854.

London. Statistical Society.
Journal. Vols. XVII.–XXII. 8vo. *London*, 1854–59.
Objects and Regulations, and List of Fellows. (Tract.) 8vo. *London*, 1855.

London. Student and Intellectual Observer. (*See also* Intellectual Observer.) Vols. I.–V. 8vo. *London*, 1868–71.

London. Surrey Archæological Society.
Transactions: Surrey Archæological Collections relating to the History and Antiquities of the County. Vol. I., 1854. 8vo. *London*, 1856.

London. Syro-Egyptian Society.
Report of the Correspondence and Papers read at the General Meetings, Session 1850–1851. With a list of the Officers and Members. (Tract.) 8vo. *London*, 1851.

London. Trinity College.
Calendar for the academical year 1879–80. 8vo. 1879.

London. University College.
Calendar for the Session 1858–1859. 8vo. *London*, 1858.
Proceedings at the Annual General Meetings of the Members, 1856 and 1858. (Tract.) 8vo. *London*, 1856, 1858.
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London. Victoria Institute, or Philosophical Society of Great Britain.
Journal of the Transactions. Vol. I., Vol. II. Nos. 6 & 7, Vol. III. No. 9, and Vols. VIII. etc. 8vo. *London*, 1867 *etc.*
Scientia Scientiarum. Being some account of the Origin and Objects of the . . . Institute. By a Member. (Tract.) 8vo. *London*, 1865.

London. West London Scientific Association and Field-Club.
Annual Reports (&c.) for 1876–77 and 1877–78.
8vo. *London*, 1877–78.
Proceedings. Vols. I. etc. 8vo. *London*, 1875 *etc.*

London. Zoological Miscellany. Edited by John Edward Gray. Vol. I. pp. 1–40. (Tract.) 8vo. *London*, 1831.

London. Zoological Society of London.
Reports of the Council (and Auditors), read at the Annual General Meetings, 1848–1850, 1852–1854, 1864, 1872, 1875, and 1876.
8vo. *London*, 1848–76.
Proceedings, 1830 etc. 8vo. *London*, 1831 *etc.*
Revised List of the Vertebrated Animals now or lately living in the Gardens. 1872. 8vo. *London*, 1872.
——. Supplement, containing additions received in 1872, 1873, and 1874. (Tract.) 8vo. *London*, 1875.
——. 7th edition. 8vo. *London*, 1879.
Transactions. Vols. I. etc. 4to. *London*, 1835 *etc.*
See LIBRARIES, CATALOGUES OF.

London. Zoologist: a Popular Miscellany of Natural History, conducted by Edward Newman. Vol. I. 8vo. *London*, 1843.

Lund. Universitas Lundensis. (Lunds Universitet.)
Acta. Års 1864–1867 and 1871–72. 4to. *Lund*, 1864–72.

Lyons. Académie (Royale, Impériale, ou Nationale) des Sciences, Belles-Lettres et Arts.
Bulletin des Séances, 1865. (1 no.) 8vo. *Lyons*, 1865.
Mémoires. Classe des Sciences. Tom. XIV.–XVI., 1864–67.
Classe des Lettres. Tom. XII., 1864–65.
8vo. *Lyons*, 1864–67.

Lyons. Muséum d'Histoire naturelle.
Archives. Tom. I. livr. 1–4. 4to. *Lyons*, 1872–75.

Madison. Wisconsin State Historical Society.
Report for the year 1854. 8vo. *Madison*, 1855.

Madison. Wisconsin Teachers' Association.
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Madison. Wisconsin University.
Annual Report of the Board of Regents (IX.), 1856. (Tract.)
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Madras. Literary Society.
The Madras Journal of Literature and Science. Vols. IV.–XII.
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Madrid. Academia (Real) de Ciencias Exactas, Fisicas y Naturales.
Memorias. Tom. I. etc. 4to. *Madrid*, 1850 *etc.*
Real decreto de creacion. (Tract.) 4to. *Madrid*, 1850.
Resumen de las actas, 1847–48. 8vo. *Madrid*, 1848.

Madrid. Anales de Minas. Tom. I.–IV. 8vo. *Madrid*, 1838–46.

Madrid. Escuela de Minas de España.
Actas de la Sesion pública celebrada para conmemorar la fundacion, . . . 1877. (Tract.) 4to. *Madrid*, 1877.
Centenario, 1777–1877. 8vo. *Madrid*, 1877.

Madrid. Ministerio de Comercio.
Boletin oficial. Instruccion y Obras publicas. Tom. IX. No. 106. (Tract.) 8vo. *Madrid*, 1850.

Madrid. Revista Minera: periódico cientifico é industrial. Vol. I. No. 3, pp. 65–96. (Tract.) 8vo. *Madrid*, 1850.

Manchester. Literary and Philosophical Society.
Memoirs. Ser. 2, Vols. I.–XV., 1805–1860.—Ser. 3, Vols. I. etc. 1862 etc. 8vo. *Manchester*, 1805 *etc.*
Proceedings. Vols. I. etc. (No. 6, 1862–63, in duplicate.) 8vo. *Manchester*, 1860 *etc.*
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Manchester. Manchester Geological Society.
Transactions. Vols. I. etc.
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Manchester. Mechanics' Institution.
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Manchester. Natural-History Society.
Catalogue of Foreign Shells, arranged according to the system of Lamarck. (Tract.) 8vo. *Manchester*, 1837.

Mannheim. Academia Electoralis Scientiarum et Elegantium Literarum Theodoro-Palatina.
Acta historica et physica. Vols. I.–VII. 4to. *Mannheim*, 1766–94.

Mannheim. Kurpfälzische physikalisch-ökonomische Gesellschaft.
Bemerkungen. Jahrg. 1775. 8vo. *Lautern*, 1779.

Marlborough. Marlborough College Natural-History Society.
Report, 1866. 8vo. *Marlborough*, 1867.

Mauritius. Royal Society of Arts and Sciences.
Transactions. Vol. I. 8vo. *Mauritius*, 1847–49.

Mauritius. Société d'Histoire naturelle.
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Melbourne. Philosophical Society of Victoria.
Transactions. Vols. I. etc. (Vol. I. in duplicate). 8vo. *Melbourne*, 1855 *etc.*

Melbourne. Royal Society of Victoria.
Progress Reports, and Final Report of the Committee of the Royal Society. 8vo. *Melbourne*, 1863.

Mexico. Sociedad Mexicana de Historia natural.
Informe rendido por el primer Secretario . . . en la junta general . . . de 1875. 4to. *Mexico*, 1875.
La Naturaleza. Tomo III. Nos. 2–15 (No. 2 in duplicate). 4to. *Mexico*, 1874–75.

Milan. Biblioteca Italiana ossia Giornale di Litteratura, Scienze ed Arti. Tom. I. and II. 8vo. *Milan*, 1816.
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Milan. Istituto (reale) lombardo di Scienze e Lettere.
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Solenni Adunanze. Adunanza del 7 agosto 1866, 1867, 1868. 8vo. *Milan*, 1867.

Milan. Società Geologica (*after the first volume* Società Italiana di Scienze Naturale). Atti. Vols. I. etc. 8vo. *Milan*, 1859 *etc.*

Minneapolis. Minnesota Academy of Natural Sciences.
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Montpellier. Académie des Sciences et Lettres.
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Montreal. M'Gill University.
Statement of the Board of Royal Institution Governors, 1862. (Tract.) 8vo. *Montreal*, 1862.

Montreal. Natural-History Society.
Canadian Naturalist and Geologist (and Proceedings of the Natural-History Society of Montreal). Vols. I.–VIII., 1857–1863. New Series, Vols. I.–VII., 1864 etc. 8vo. *Montreal*, 1857 *etc.*

Montrose. Montrose Natural-History and Antiquarian Society.
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Rede [nebst einer Darstellung über das Leben und Wirken von J. A. Schmeller] gehalten [von F. von Thiersch] am 27. November 1852. 4to. *Munich*, 1853.
Rede . . . am 28. März 1860, zur Feier ihres einhundert und ersten Stiftungstages gehalten von J. von Liebig. 4to. *Munich*, 1860.
Rede in der öffentlichen Sitzung . . . am 28. November 1861, gehalten von J. von Liebig. 4to. *Munich*, 1861.
Rede [Francis Bacon von Verulam, und Die Geschichte der Naturwissenschaften] . . . am 28. März 1863, von J. von Liebig. 4to. *Munich*, 1863.
Rede [Die Entwicklung der Ideen in der Naturwissenschaft] in der öffentlichen Sitzung . . . am 25. Juli 1866 . . . gehalten von J. von Liebig. 4to. *Munich*, 1866.
Verzeichniss der Mitglieder, 1860 and 1862. 4to. *Munich*, 1860–62.
Vortrag [Die Bedeutung moderner Gradmessungen] in der öffentlichen Sitzung . . . am 25. Juli 1866 . . . gehalten von C. M. Bauernfeind. 4to. *Munich*, 1866.

Nancy. Société des Sciences [ancienne Société des Sciences naturelles de Strasbourg].
Bulletin. Sér. 2, Vol. III. etc. 8vo. *Nancy*, 1878 *etc.*

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Report (49). (Tract.) 8vo. *Newcastle*, 1842.
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Newcastle. Natural-History Society of Northumberland, Durham, and Newcastle-upon-Tyne.

Natural-History Transactions of Northumberland and Durham, being papers read at the N. H. S. . . . and the Tyneside Naturalists' Field-Club. Vols. I. etc. 1865 etc. 8vo. *London, Edinburgh,* and *Newcastle-upon-Tyne,* 1867 *etc.*

Reports. 1830–1847. 8vo. *Newcastle,* 1830–48.

Transactions. Vols. I., II. 4to. *Newcastle* and *London,* 1830–38.

Newcastle. North-of-England Institute of Mining and Mechanical Engineers.

Transactions. Vols. I., II., and VI. etc. 8vo. *Newcastle-upon-Tyne,* 1852 *etc.*

Newcastle. Tyneside Naturalists' Field-Club.

Transactions. Vols. I.–VI. 8vo. *Newcastle-upon-Tyne,* 1848–64.

See also Natural-History Society of Northumberland, Durham, and Newcastle-upon-Tyne.

New Haven. American Journal of Science and Arts. Edited by B. Silliman &c. Ser. 1, Vols. I.–L., including Index volume (Vol. II. imperfect) (1818–1845). Ser. 2, Vols. I.–L. (1846–1870). Ser. 3, Vols. I. etc. (1871 etc.). 8vo. *New Haven,* 1818 *etc.*

New Haven. Connecticut Academy of Arts and Sciences.

Transactions. Vol. I., Vol. II. part 1, Vol. III. part 1, and Vol. IV. part 1. 8vo. *New Haven,* 1866–77.

New Orleans. New Orleans Academy of Science.

Constitution and By-Laws. (Tract.) 8vo. *New Orleans,* 1854.

Proceedings. Vol. I. No. 1. 8vo. *New Orleans,* 1854.

Newport (Vt.). Orleans County Society of Natural Sciences.

Archives of Science and Transactions. Vol. I. Nos. 1–3. 1870–1871. 8vo. *Newport, Vermont,* 1870–71.

New York. New-York Academy of Sciences. *See* Lyceum of Natural History.

New York. American Chemist, a Monthly Journal of Theoretical, Analytical, and Technical Chemistry. Vol. II. 4to. *New York,* 1872.

New York. American Medical and Philosophical Register; or, Annals of Medicine, Natural History, Agriculture, and the Arts. 2nd edition. Vols. I.–IV. 8vo. *New York,* (1811–)1814.

New York. American Mineralogical Journal. Vol. I. Nos. 1–3. (Tracts.) 8vo. *New York,* 1810.

New York. American Museum of Natural History.

Annual Report. January 1870. 8vo. *New York,* 1870.

New York. Cooper Union for the Advancement of Science and Art.

Annual Report. (Tract.) 8vo. *New York,* 1861.

New York. Literary and Philosophical Society.

Transactions. Vol. I. 4to. *New York,* 1814–15.

New York. Lyceum of Natural History *(afterwards* New-York Academy of Sciences).

Annals. Vols. I. etc. (imperfect). 8vo. *New York,* 1824 *etc.*

Proceedings. Ser. 1, April 4, 1870, to May 8, 1871 (Vol. I.?). Ser. 2, Nos. 1–4, 1873–1874. 8vo. *New York,* 1870–74.

New York. Lyceum of Natural History (*afterwards* New-York Academy of Sciences).
Charter, Constitution, By-Laws, and List of the Members, etc. 1864. (Tract.) 8vo. *New York*, 1864.

Nordhausen. Berg- und Hüttenmännische Zeitung. See FREIBERG.

Norwich. Geological Society.
Address of the retiring President [J. Gunn] and Proceedings of the 13th annual meeting . . . 1877. 8vo. *Norwich*, 1877.
Proceedings. Vol. I. parts 1 & 2. 8vo. *Norwich*, 1878.
Report of the Monthly Meeting held March 7th, 1876. (Tract: extract from newspaper.) *Norwich*, 1876.

Norwich. Norfolk and Norwich Naturalists' Society.
Transactions. Vol. II. parts 1 & 2. 8vo. *Norwich*, 1875–76.

Norwich. Science Gossip Club.
Introductory Address entitled Notes on Science, by H. B. Woodward, 1877. 8vo. *Norwich*, 1877.
Report of Proceedings at the Annual Meetings . . . 1875 and 1876. 8vo. *Norwich*, 1876.

Odessa. Новороссійскаго Общества Естество Испытателей—New Russian Society of Naturalists. Memoirs. Vols. I. etc. 8vo. *Odessa*, 1872 *etc.*

Offenbach. Offenbacher Verein für Naturkunde.
Bericht, 17 u. 18. 8vo. *Offenbach*, 1878.
Statuten. (Tract.) 8vo. *Offenbach*, 1859.

Oswestry. Oswestry and Welshpool Naturalists' Field-Club and Archæological Society.
Report of Meetings . . . 1857–64. 8vo. *Oswestry*, 1865.

Oxford. Ashmolean Society.
Abstract of the Proceedings. Vols. I. & II., 1832–42, and Nos. 31–33, 1853–55. 8vo. *Oxford*, 1844–55.

Padua. Accademia (reale) di Scienze, Lettere ed Arti.
Rivista periodica dei lavori. Vols. I.–XIII. 8vo. *Padua*, 1851–65.

Palermo. Accademia delle Scienze e Belle Lettere.
Statuti. (Tract.) 8vo. *Palermo*, 1832.

Palermo. Instituto (reale) tecnico.
Giornale di Scienze naturali ed economiche. Vols. II.–V. 4to. *Palermo*, 1866–69.

Palermo. Società di Acclimazione e di Agricoltura in Sicilia.
Atti. Tom. I. No. 1–4 and 7–8; Tom. II. No. 1. 8vo. *Palermo*, 1860–62.

Palermo. Società di Scienze naturali ed economiche.
Bullettino. Nos. 5–10 and 12 & 13. 4to. *Palermo*, 1878–79.
Giornale. Vol. XIII. 4to. *Palermo*, 1878.

Paris. Académie des Sciences de l'Institut de France.
Comptes rendus hebdomadaires des séances. Tom. I.–LXXXIII.
Supplément, Vols. I. & II., 1856–1861. 4to. *Paris*, 1835–76.
Mémoires. Vols. V.–XXVIII., XXX., XXXI., and XXXIII. 4to. *Paris*, 1826–61.
Mémoires présentés par divers savans. Tom. I.–III. and V.–XVII. 4to. *Paris*, 1827–62.

Paris. Annales des Mines. Sér. 1, Tom. I.–XI., 1817–1826. Sér. 3. Tom. I.–XX., 1832–1841. Sér. 4, Tom. I.–XX., 1842–1851, Sér. 5, Tom. I.–XX., 1852–1861. Sér. 6, Vols. I.–XX., 1862–1871. Sér. 7, Vols. I. etc., 1872 etc. 8vo. *Paris*, 1817 *etc.*

Paris. Annales des Sciences géologiques, publiées par A. Rivière. Vol. I. 8vo. *Paris*, 1842.

Paris. Annales des Sciences géologiques, publiées sous la direction de MM. Hébert et Milne-Edwards. Vols. I. etc. (2 copies, one imperfect in Vols. III., V., and VII.). 8vo. *Paris*, 1869 *etc.*

Paris. Annales des Sciences naturelles. Sér. 1, Vols. I.–XXX. (Vols. XXII.–XXX. in duplicate, and atlases in 4to to Vols. I.–XII.), 1824–33. Sér. 2, Zoologie, Vols. I.–XX., 1834–43. Sér. 3, Zoologie, Vols. I.–XX., 1844–53. Sér. 4, Zoologie, Vols. I.–XX., 1854–63. Sér. 5, Zoologie et Paléontologie, Vols. I.–XX., 1864–74. Sér. 6, Zoologie et Paléontologie, Vols. I. etc., 1874 etc. 8vo. *Paris*, 1824 *etc.*

See also Revue bibliographique des Sciences naturelles.

Paris. Annales des Sciences d'Observation, comprenant l'Astronomie, la Physique, etc., par Saigey, etc. 2 vols. 8vo. *Paris*, 1829.

Paris. Association française pour l'Avancement des Sciences. Comptes Rendus. 1872 etc. 8vo. *Paris*, 1873 *etc.*

Paris. Bulletin général et universel des Annonces et des Nouvelles scientifiques. Publié sous la direction de M. de Férussac. 8vo. *Paris*, 1823–31.

Bulletin des Annonces et des Nouvelles scientifiques. 4 vols. 1823.

Sciences Mathématiques, Astronomiques, Physiques et Chimiques. 10 vols. 1824–1828.

Sciences Naturelles et Géologie. 27 vols. (3 vols. wanting). 1824–1831.

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Sciences Historiques. 10 vols. 1824–1828.

Sciences Militaires. 5 vols. 1824–1828.

Paris. Echo du Monde savant. Journal analytique des nouvelles et progrès scientifiques. 1e année, Nos. 33–44, 2e année, No. 90, and 3e année, Nos. 22 and 29. (Tracts.) 4to. *Paris*, 1834–36.

Paris. Journal de Conchyliologie, comprenant l'étude des animaux, des coquilles vivantes et des coquilles fossiles, [or] l'étude des mollusques vivants et fossiles. Sér. 1, Vols. I.–IV., 1850–53. Sér. 2, Vols. I.–IV., 1856–60. Sér. 3, Vols. I. etc. (Whole series, Vols. I. etc., with Index.) 8vo. *Paris*, 1850 *etc.*

Paris. Journal de Géologie, par Boué, etc. 8vo. *Paris*, *Strasburg*, and *Brussels*, 1830–31.

Paris. Journal des Mines ; publié par l'agence [le conseil] des mines de la République, [*and afterwards*] ou recueil de mémoires sur l'exploitation des mines et sur les sciences et les arts qui s'y rapportent. Vols. I.–XXXVIII., with indices. 8vo. *Paris*, 1795–1815.

*** **For continuation** *see* **Annales des Mines.**

Paris. Hermès, Journal des Nouvelles scientifiques. 1e année. Nos. 1–4 and 6. (Tract.) 4to. *Paris*, 1836.

Paris. L'Institut, Journal Universel des Sciences et des Sociétés savantes en France et à l'étranger. Tome XXIII.–XXXV. (XXVIII. & XXIX. very imperfect, in duplicate). 4to. *Paris*, 1860–67.

Paris. Muséum [National] d'Histoire naturelle [de l'Institut de France].
Annales. Sér. 1, Tom. I.–XX., 1802–1813. Sér. 2, Tom. I.–XX., 1815–1832. Sér. 3, Nouvelles Annales, Tom. I.–IV., 1832–1835. 4to. *Paris*, 1802–35.
Archives. Sér. 1, Tom. I.–X., 1839–1861. Sér. 2, Nouvelles archives, Tom. I.–X., 1865–1874. Sér. 3, Tom. I. etc., 1878 etc. 4to. *Paris*, 1839 *etc.*
Rapport annuel de MM. les Professeurs et Chefs de Service, 1878. 8vo. *Paris*, 1879.

Paris. Observations et Mémoires sur la Physique etc. See ROZIER (F.).

Paris. Revue bibliographique [pour servir de complément aux annales] des Sciences naturelles. Vols. I. & II., 1829–1831. 8vo. *Paris*, 1829–32.

Paris. Revue Scientifique de la France et de l'étranger. Tom. IX.–XI., and XVIII. etc. 4to. *Paris*, 1872 *etc.*
Table des Matières contenues dans le quatorze premiers volumes (1864–1874). 8vo. *Paris*, 1875.

Paris. Société d'Agriculture du Département de la Seine.
Mémoires d'Agriculture, d'Economie rurale et domestique. Tom. IV. 8vo. *Paris*, 1802.

Paris. Société de Géographie.
Bulletin. Sér. 5, Tom. VIII. (incomplete). 8vo. *Paris*, 1864.
Extrait du Bulletin. Rapport sur le concours pour le prix annuel (voyages de 1849) et Lettre sur le Haut Fleuve Blanc, communiquée par M. D'Arnaud. (Tract.) 8vo. *Paris*, 1852.
Documents et Nouvelles géographiques. Part. I. & II. 1854–1855. (Tracts.) 8vo. *Paris*, 1855.

Paris. Société Géologique de France.
Liste des Membres, 1846, 1850, and 1852. (Tracts.) 8vo. *Paris*, 1846–52.
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Règlement constitutif et administratif. (Tract.) 8vo. *Paris*, 1831.
Bulletin. Sér. 1, Vols. I.–XIV., 1830–1843. Sér. 2, Vols. I.–XXIX., 1843–1873. Sér. 3, Vols. I. etc., 1873 etc. 8vo. *Paris*, 1830 *etc.*
Mémoires. Sér. 1, Vols. I.–V. (Vols. I.–III. in duplicate), 1833–1843. Sér. 2, Vols. I.–X., 1844–1877. Sér. 3, Vols. I. etc., 1877 etc. 8vo. *Paris*, 1833 *etc.*
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Paris. Société Géologique de France.
Résumé des travaux pendant les années 1833–1834, par M. Rozet. (Tract.) 8vo. *Paris*, 1835.
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Statistique administrative, depuis l'époque de sa fondation, en 1830, jusqu'au 31 décembre, 1843, par A. Viquesnel. (Tract.) 8vo. *Paris*, 1844.

Paris. Société d'Histoire naturelle.
Actes. Tom. I. Fol. *Paris*, 1792.
Mémoires. 1 vol., 1799. Sér. 2, Tome III. livr. 3, 1827. 4to. *Paris*, 1799–1827.

Paris. Société Météorologique de France.
Annuaire. Tom. I. part. 1, feuilles 5–8. 8vo. *Paris*, 1853.

Paris. Société (Impériale) Zoologique d'Acclimatation.
Bulletin mensuel. Sér. 1, Tom. VIII. no. 11, 1861. Sér. 2, Tom. II. no. 2, 1865. 8vo. *Paris*, 1861–65.

Penzance. Royal Geological Society of Cornwall.
Annual Reports of the Council, etc., II., XXX., XXXI., and LXIII. 8vo. *Penzance*, 1816, 1843–44.
Transactions. Vols. I.–VI. & VIII. pts. 1 & 2. 8vo. *London* and *Penzance*, 1818 *etc.*
Laws. (Tract.) 12mo. *Penzance*, 1814.
Report of the 57th annual meeting. (Newspaper cutting.) *Penzance*, 1874.

Pesth. Budapesti Szemle (Budapesth Review). Szerkeszti és kiadja Csengery Antal. Köt. XIII.–XV. and XVII. 8vo. *Pesth*, 1861–63.

Pesth. Literarische Berichte aus Ungarn, herausgegeben von Paul Hunfalvy. Vols. I. etc. 8vo. *Budapesth*, 1877 *etc.*

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Értekézések, a természettudományi (ostaly) Köréböl. (Memoirs on Natural Science.) Köt. I., 13–19; II., 1–15; III., 1–3, 15; IV., 3–5; V., 1–11; VI., VII., VIII., 1–7. 8vo. *Pesth*, 1868–77.
Értesítö, az archæologiai bizottság közlönye. (Intelligencer; journal of the Archæological Commission.) Köt. II., 9–20; III., 1–20; IV., 1–18; V., 1–17; VI., 1–8; VII., 8–14; VIII., 1–17. 8vo. *Pesth*, 1868–75.
Értesítö, a mathematikai és természettudományi osztályok közlönye. (Intelligencer; journal of the mathematical and natural science division.) Köt. I.–III. 8vo. *Pesth*, 1860–62.
Név- és Tárgymutato a Ertesitöjének I.–VIII. évfolyámahoz, 1867–1874. (Register.) 8vo. *Budapesth*, 1875.
Évkönyvei. (Annals.) Köt. X., 4, 9, 14; XIII., 1–5; XIV., 4, 5, 7, 8; XV., 2, 4. 4to. *Pesth*, 1869–77.

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Hazai és Külföldi folyóiratok magyar tudományos repertóriuma. (Hungarian scientific repertory of home and foreign journals.) II. oszt.: természettudomány és mathematika (natural science and mathematics), 1778–1874. 8vo. *Pesth*, 1876.

Mathematikai s természettudományi Közlemények vonatkozólag a hazai viszonyokra. (Mathematical and natural science communications relating to home topics.) Köt. II., V., and VII.–XIII. 1863, 1867, and 1872–1875. 8vo. *Pesth*, 1863–77.

See also EGGENBERGER (Ferdinánd).

Philadelphia. Academy of Natural Sciences.

Circular. 12mo. *Philadelphia*, no date.

Journal. Ser. 1, Vol. I. part 1, and Vol. VII. part 1 (Tracts), 8vo, 1817–1834 Ser. 2, Vols. I. etc., 1847 etc., 4to, 1847 etc. *Philadelphia*, 1817 *etc.*

Proceedings. 1841 etc. 8vo. *Philadelphia*, 1843 *etc.*

Reports of the Transactions, 1824–1828 (for 1827 in duplicate). (Tracts.) 8vo. *Philadelphia*, 1825–29.

Notice. 2nd edition. (Tract.) 8vo. *Philadelphia*, 1831.

——. 3rd edition. (Tract.) 8vo. *Philadelphia*, 1836.

Its Origin and Progress. See RUSCHENBERGER (W. S. W.).

Philadelphia. Academy of Natural Sciences. Conchological Section.

American Journal of Conchology. Vols. V.–VII. 8vo. *Philadelphia*, 1870–72.

Philadelphia. American Philosophical Society.

Proceedings. Vols. I. etc. (imperfect). 8vo. *Philadelphia*, 1840 *etc.*

Transactions. Ser. 1, Vols. I.–VI., 1789–1804. Ser. 2, Vols. I. etc. (imperfect). 8vo. *Philadelphia*, 1818 *etc.*

Historical and Literary Committee.

Transactions. See DU PONCEAU (Peter S.).

Laws and Regulations . . . together with the Charter of the Society and a list of its Members. (Tract.) 8vo. *Philadelphia*, 1860.

List of Members. (Tract.) 8vo. *Philadelphia*, 1865.

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Philadelphia. Emporium of Arts and Sciences. Conducted by John Redman Coxe. Vols. I. & II. 8vo. *Philadelphia*, 1812.

Philadelphia. Franklin Institute of the State of Pennsylvania.

Journal. Ser. 3. Vols. XXVII.–XXXIV. (Vols. LVII.–LXIV. of whole series.) 8vo. *Philadelphia*, 1854–57.

Philadelphia. Geological Society of Pennsylvania.

Transactions. Vol. I. 8vo. *Philadelphia*, 1834–35.

Philadelphia. Maclurian Lyceum.

Contributions to the Arts and Sciences. Vol. I. Nos. 1 and 2. (Tracts.) 8vo. *Philadelphia*, 1827.

Philadelphia. Monthly American Journal of Geology and Natural Science. Vol. I. (Nos. 1 and 2 in duplicate; no title.) 8vo. *Philadelphia*, 1831–32.

Philadelphia. Zoological Society.
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Plymouth. Devonshire Association for the advancement of Science, Literature and Art.
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Transactions. Vol. I. 8vo. *Plymouth*, 1830.
Transactions. (New Series.) 1860 etc. 8vo. *Plymouth*, 1861 *etc.*
Summary of the Proceedings. (Tract.) 8vo. *Plymouth*, 1833.
Portland (U. S.). Society of Natural History.
Proceedings. Vol. I. 8vo. *Portland*, 1862.
Port of Spain. Scientific Association of Trinidad.
Proceedings. Parts 2 [1867] and 11 [1877].
8vo. *Port of Spain* and *London*, 1867–77.
Rules, etc. (Tract.) 8vo. *Trinidad*, 1864.
Prague. Gesellschaft des vaterländischen Museums in Böhmen.
Verhandlungen in der . . . allgemeinen Versammlung 10. April 1833.
8vo. *Prague*, 1833.
Presburg. Verein für Naturkunde.
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Verhandlungen und Sitzungsberichte. Band IV. u. V.
8vo. *Presburg*, 1859–61.
Princeton, N. J. Museum of Geology and Archæology.
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Puy. Société d'Agriculture, Sciences, Arts et Commerce.
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Extraits des Annales. Tom. XIV. (Tract.) 8vo. *Le Puy*, 1849.
Rio de Janeiro. Museu Nacional.
Archivos. Vol. I. Trim. 1–3. 4to. *Rio de Janeiro*, 1876.
Rome. Accademia (reale) dei Lincei.
Atti. Ser. 3. Memorie della classe di Scienze mathematiche e naturali. Vols. I. etc. 4to. *Rome*, 1877 *etc.*
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Saint Paul. Minnesota Historical Society.
Annual Reports to the Legislature, 1868–1869. (Tracts.)
8vo. *St. Paul*, 1869–70.

St. Petersburg. Académie Impériale des Sciences.
Bulletin. Vols. I.–XXIV. 4to. *St. Petersburg* and *Leipzig*, 1860 *etc.*
Bulletin de la Classe physico-mathématique. Vols. I.–VII. and X.–XV. *St. Petersburg* and *Leipzig*, 1845–57.
Comptes Rendus, 1852. 8vo. *St. Petersburg*, 1853.
Mémoires. Sér. 6, Tom. I.–X. (Tom. V. livr. 1, 2, 5 & 6 in duplicate), 1831–1857. Sér. 7, Tom. I. etc., 1859 etc. 4to. *St. Petersburg*, 1831 *etc.*
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Nouveau Règlement, etc. (Tract.) 8vo. *St. Petersburg*, 1803.

St. Petersburg. Annuaire du Journal des Mines de Russie.
Band I.–IX., 1835–1842, et Introduction. 8vo. *St. Petersburg*, 1840–45.

St. Petersburg. Russisch-kaiserliche mineralogische Gesellschaft [*otherwise* Gesellschaft für die gesammte Mineralogie].
Verhandlungen. Jahrgg. 1842–1844, 1847, 1855–1858, and 1862–1863. 8vo. *St. Petersburg*, 1842–64.

Salem, Mass. Essex Institute.
American Naturalist. *See* Peabody Academy of Science.
Bulletin. Vols. I. & II. 8vo. *Salem*, 1869–71.
Proceedings. Vols. IV.–VI. (Vol. IV. imperfect.) 8vo. *Salem*, 1864–71.
Naturalist's Directory. Part I. North America and the West Indies. Edited by F. W. Putnam. 12mo. *Salem*, 1865.

Salem, Mass. Peabody Academy of Science.
American Naturalist. A popular illustrated Magazine of Natural History. Vols. I. etc. 8vo. *Salem, Mass.*, 1868 *etc.*
Annual Report of the Trustees. 1 and 6. 8vo. *Salem, Mass.*, 1869–74.
Memoirs. Vol. I. Nos. 2–4. 4to. *Salem, Mass.*, 1871–75.

Salzburg. Jahrbücher der Berg- und Hüttenkunde. Herausgegeben von Karl Erenbert von Moll. Band IV. Lief. 1. 8vo. *Salzburg*, 1799.

San Francisco. California Academy of [Natural] Sciences.
Memoirs. Vol. I. parts 1 and 2. 4to. *San Francisco*, 1868.
Proceedings. Vol. III. parts 1–4, Vol. IV. (part 1 in duplicate), Vol. V. parts 1 and 3, and Vols. VI. etc. 8vo. *San Francisco.* 1863 *etc.*

Scarborough. Scarborough Philosophical and Archæological Society.
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8vo. *Singapore*, 1847–57.

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Stafford. North-Staffordshire Naturalists' Field-Club.
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Årsberättelse (*afterwards* Berättelse) om framstegen i Insekternas, Myriapodernas och Arachnidernas naturalhistoria. 1849–1856.
8vo. *Stockholm*, 1852–59.
Årsberättelse om framstegen i kemi, 1849. 8vo. *Stockholm*, 1851.
Årsberättelse om technologiens framsteg, 1847–1849.
8vo. *Stockholm*, 1851–52.
Berättelse om framstegen i fysik, 1850. 8vo. *Stockholm*, 1852.
Berättelse om framstegen i Molluskernas, Crustaceernas, och de lägre skelettlösa djurens naturalhistorias, 1845–1849.
8vo. *Stockholm*, 1852.
Berättelse om framstegen i vertebrerade djurens naturalhistoria och ethnografia, 1845–1850. 8vo. *Stockholm*, 1853.
Eugenies Resa. See 'EUGENIES' EXPEDITION.

Strasburg. Société [du Muséum] d'Histoire naturelle (*or afterwards*) des Sciences naturelles.
Bulletin. Ann. I. et II. (imperfect). 8vo. *Strasburg*, 1868–69.
Mémoires. Tom. III.–VI. 4to. *Strasburg*, 1840–70.
*** This Society was afterwards carried on under the title of the "Société des Sciences naturelles de Nancy."

Stuttgart. [Astronomische] Jahrbuch. Herausgegeben von H. C. Schumacher. Jahrg. 1837. 8vo. *Stuttgart* and *Tübingen*, 1837.

Stuttgart. Museum des königlich-bayerischen Staates.
Paläontologische Mittheilungen; begonnen von A. Oppel, fortgesetzt (herausgegeben) von K. A. Zittel. Band II., Abtheil. 1 & 2.
8vo; Atlas, fol. *Stuttgart* and *Cassel*, 1868–70.

Stuttgart. Jahrbuch für Mineralogie, etc. See HEIDELBERG.

Stuttgart. Verein für vaterländische Naturkunde in Württemberg.

Jahreshafte. Jahrg. I. etc. 8vo. *Stuttgart*, 1845 *etc.*

*** Heft III., Jahrg. XXXIII. Festschrift zur Feier des vierhundertjährigen Jubiläums der Eberhard-Karls-Universität zu Tübingen. *Aëtosaurus ferratus*, Fr., die gepanzerte Vogel-Echse aus dem Stubensandstein bei Stuttgart, von O. Fraas. 4to. *Stuttgart*, 1877.

Swansea. South-Wales Institute of Engineers.

Proceedings. Vol. I. etc. 8vo. *London*, 1859 *etc.*

Switzerland. Allgemeine schweizerische Gesellschaft für die gesammten Naturwissenschaften. (Société Helvétique des Sciences naturelles.)

Actes. Session 22. (Tract.) 8vo. *Neufchatel*, 1837.

Denkschriften. Band I. Abth. 1 und 2. 2 vols. 4to. *Zurich*, 1829.

Neue Denkschriften. Band II. und IV. (imperfect). 4to. *Neufchatel*, 1838–40.

Statuten und Reglemente. (Tract.) 8vo. *Winterthur*, 1847.

Statuts. (Tract.) 4to. *Lausanne*, 1818.

See also CHAVANNES (D. A.).

Protokoll der geologisch-mineralogischen Sektion an der Versammlung 1868. 8vo. *Einsiedeln*, 1868.

Sydney. Linnean Society of New South Wales.

Proceedings. Vol. I. part 4; Vol. III. parts 1–3. 8vo. *Sydney*, 1877–79.

Sydney. Philosophical Society of New South Wales.

Transactions. 1862–1865. [No titlepage.] 8vo. *Sydney.*

Sydney. Royal Society of New South Wales.

Transactions and Proceedings. Vols. I., VI. (1872), VIII. (1874), and IX. etc. 8vo. *Sydney*, 1868 *etc.*

Sydney. Sydney University Calendar. 1852. 8vo. *Sydney*, 1853.

Taunton. Somersetshire Archæological and Natural-History Society.

Proceedings. Vol. VII. 8vo. *Taunton*, 1858.

Taunton. Taunton School of Art.

Somerset Notes and Queries; also Journal of the T. S. A. No. 1. (Tract.) 8vo. *London* and *Taunton*, 1856.

Teignmouth. Teign Naturalists' Field-Club.

Reports of the Proceedings for the years 1859–1877. 8vo. *Exeter*, *etc.*, 1860–78.

Toronto. Canadian Institute.

Canadian Journal; a repertory of industry, science, and art, and a record of the Proceedings of the C. I. Edited by Henry Yule Hind. Vols. I.–III. 4to. *Toronto*, 1853–55.

Canadian Journal of Industry, Science and Art [*afterwards* of Science, Literature, and History]. Conducted by the Editing Committee of the C. I. Vols. I.–XV. 8vo. *Toronto*, 1856–78.

Proceedings [a new series of the Canadian Journal]. Vols. I. etc. 8vo. *Toronto*, 1879 *etc.*

Toulouse. Société d'Histoire naturelle.

Bulletin. Tom. (Ann.) IX. 8vo. *Paris*, 1874–75.

Tromsö. Tromsö Museums Aarshefter I. etc. 8vo. 1878 *etc.*

Truro. Mineralogical Society of Great Britain and Ireland.
Mineralogical Magazine and Journal. Vols. I. etc.
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Truro. Miners' Association of Cornwall and Devonshire.
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Reports and Proceedings, 1872, 1873, and 1874, and part of 1875. (Tracts.) 8vo. *Truro* and *Falmouth*, 1873–75.

Truro. Royal Institution of Cornwall.
Annual Reports XXXIII.–XLI. (Imperfect.)
8vo. *Truro*, 1842–60.

Tübingen. Naturwissenschaftliche Abhandlungen einer Gesellschaft in Württemberg. Band I. Heft 1. 8vo. *Tübingen*, 1826.

Turin. Accademia (reale) delle Scienze.
Annuario per l'anno 1877–78. Anno I. 8vo. *Turin*, 1877.
Atti. Vols. I. etc. 8vo. *Turin*, 1866 *etc.*
Bollettino astronomico e meteorologico dell' Università, 1868–1875. 1 vol. 4to. *Turin*, 1868–75.
Memorie. Ser. 2, Tom. I. etc. 4to. *Turin*, 1839 *etc.*
Notizia storica dei lavori fatti dalla classe di scienze fisiche e mathematiche negli anni 1864 e 1865, scritti dal Ascanio Sobrero.
8vo. *Turin*, 1869.
Sunti dei lavori scientifici letti e discussi nella classe di scienze morali, storiche e filologiche dal 1859 al 1865, scritti da Gaspare Gorresio. 8vo. *Turin*, 1868.

Turin. Osservatorio della Regia Università. Bollettino. Anni IX.–XII. (1874–1877). 4to. *Turin*, 1875–78.

United States. American Association for the advancement of Science.
Memoirs. I. 4to. *Salem, Mass.*, 1875.
Proceedings. Meetings 1, 2, 4, 6, and 17.
8vo. *Philadelphia, etc.*, 1849–69.

United States. American Institute of Mining Engineers.
Transactions. Vols. I. etc. 8vo. *Easton, Pa.*, 1875 *etc.*

United States. Association of American Geologists and Naturalists.
Abstract of the Proceedings. VI. 1845. (Tract.)
8vo. *New Haven*, 1845.
Proceedings of the third Annual Meeting. (Tract.)
8vo. *New York*, 1842.
Reports of the Meetings, embracing its Proceedings and Transactions. I.–III. 1840–1842. 8vo. *Boston*, 1843.
See SILLIMAN (B.).

Upsala. Regiæ Societatis Scientiarum Upsaliensis.
Nova Acta. Ser. 2, Vol. VIII. 4to. *Upsala*, 1821.

Verona. Società Italiana delle Scienze [residente in Modena].
Memorie di Matematica e di Fisica. Tom. XX.–XXV., 1831–1855. Ser. 2, Tom. I., 1862. Ser. 3, Tom. I. etc., 1867 etc.
4to. *Verona, Florence, etc.*, 1834 *etc.*

Vienna. Akademie (kaiserliche) der Wissenschaften.
Almanach, 1855–1859. 8vo. *Vienna*, 1854–58.

Vienna. Akademie (kaiserliche) der Wissenschaften.
Anzeiger [*afterwards* Sitzungsanzeiger]. Jahrg. I. etc.
8vo. *Vienna*, 1864 *etc.*
Sitzungsberichte. Mathematisch - naturwissenschaftliche Classe. Band I. etc. 8vo. *Vienna*, 1848 *etc.*
Denkschriften. Mathematisch-naturwissenschaftliche Classe. Band I. etc. 4to. *Vienna*, 1850 *etc.*
Feierliche Sitzung, am 31. Mai 1861. 8vo. *Vienna*, 1861.
Festrede bei der feierlichen Uebernahme des ehemaligen Universitätsgebäudes . . . gehalten am 29. October 1857, vom Vicepräsidenten derselben T. G. von Karajan.
4to. *Vienna*, 1857.
Jahrbücher der k.-k. Central-Anstalt für Meteorologie und Erdmagnetismus. Band I.–VIII. 4to. *Vienna*, 1854–1861.
Verzeichniss der im Buchhandel befindlichen Druckschriften. Ende Mai 1852. (Tract.) 8vo. *Vienna*, 1852.

Vienna. Bergakademien (kais.-königl.) zu Leoben und Přibram und der königlich ungarischen Bergakademie zu Schemnitz.
Berg- und hüttenmännisches Jahrbuch. Band XXII. Heft 1, 3–4, Band XXIII., Band XXIV. Heft 1–2.
8vo. *Vienna*, 1874–76.

Vienna. Berichte über die Mittheilungen von Freunden der Naturwissenschaften in Wien. Gesammelt und herausgegeben von W. Haidinger. Band I. u. VII. 1846–1850.
8vo. *Vienna*, 1847–51.

Vienna. Geologische Reichsanstalt. See SURVEYS, AUSTRIA.

Vienna. Naturwissenschaftliche Abhandlungen . . . herausgegeben von W. Haidinger. 4 vols. 4to. *Vienna*, 1847–51.

Vienna. Mineralogische und petrographische Mittheilungen herausgegeben von G. Tschermak. Neue Folge. Band I. etc.
8vo. *Vienna*, 1878 *etc.*

Vienna. Wiener Museums der Naturgeschichte.
Annalen. Vols. I. u. II. 4to. *Vienna*, 1835–40.

Vienna. Ungarische Revue, 1869. Unter Mitwirkung mehrerer Fachmänner redigirt von Dr. Mausvet Reidl. 1 vol.
8vo. *Leipzig* and *Vienna*, 1869.

Vienna. Ungarische (königl.) Berg- und Forst-Akademie.
Gedenkbuch zur hundertjährigen Gründung, 1770–1870.
8vo. *Schemnitz*, 1871.

Vienna. Zoologisch-botanische (k. k.) Gesellschaft [Verein].
Verhandlungen. Band XIII. etc. 8vo. *Vienna*, 1863 *etc.*
——, Beilage, 1866–1868. 8vo. *Vienna*, 1866–68.

Warwick. Warwickshire Natural-History and Archæological Society.
Annual Reports, 1856–1858, 1862, 1866, 1867, and 1869 etc.
8vo. *Warwick*, 1857 *etc.*

Warwick. Warwickshire Naturalists' and Archæologists' Field Club.
Proceedings, 1859 etc. 8vo. *Warwick*, 1859 *etc.*

Washington. National Academy of Sciences.
Report of the Proceedings. 1866.
8vo. *Washington*, 1867.

Washington. National Institution for the Promotion of Science.
Bulletin of the Proceedings. Vol. I. Nos. 1–3. (Tracts.) 8vo. *Washington*, 1841–46.
Constitution and Bye-Laws. (Tract.) 8vo. *Washington*, 1840.
See also POINSETT (Joel R.).

Washington. Smithsonian Institution.
Directions for Collecting, Preserving, and Transporting Specimens of Natural History. 2nd edition. 8vo. *Washington*, 1854.
List of Foreign Correspondents. (Tract.) 8vo. *Washington*, 1856.
——. (Tract.) 8vo. *Washington*, 1860.
Smithsonian Contributions to Knowledge. Vols. I. etc. 4to. *Washington*, 1858, *etc.*
Smithsonian Miscellaneous Collections. Vols. I. etc. 8vo. *Washington*, 1862 *etc.*
On the Construction of Catalogues of Libraries. See JEWETT (Charles C.).
Portraits of North-American Indians, with sketches of Scenery, &c., painted by J. M. Stanley. (Tract.) 8vo. *Washington*, 1852.
Registry of Periodical Phenomena (Form for the). (Tract.) Fcap. fol. *Washington.*
Reports, 1847 etc. 8vo. *Washington*, 1847 *etc.*
See MEEK (F. B.).

Watford. Watford Natural-History Society and Hertfordshire Field-Club. Transactions. Vols. I. etc. 8vo. *Watford, Hertford*, and *London*, 1875 *etc.*

Weimar. Teutschland geognostisch-geologisch dargestellt, von Ch. Keferstein. Band I.–VII. (slightly imperfect; Band I.–V. are in duplicate; Band IV. Heft 1 in triplicate). 8vo. *Weimar*, 1821–32.

Wellington. Severn-Valley Naturalists' Field-Club.
Transactions, 1865–1870. 8vo. *Wellington*, 1873.

Wellington College. Wellington College Natural-History Society.
Annual Reports, 1868 etc. 8vo. *London* and *Wellington College*, 1869 *etc.*

Wellington, N. Z. New-Zealand Institute.
Transactions and Proceedings. Vols. I. etc., and Index to Vols. I.–VIII. 8vo. *Wellington*, 1869 *etc.*

Whitby. Whitby Literary and Philosophical Society.
Report (XV.), 1837. (Tract.) 8vo. *Whitby*, 1837.

Wiesbaden. Verein für Naturkunde im Herzogthum Nassau.
Geschichte der . . . und des naturhistorischen Museums zu Wiesbaden, von C. Thomä. (Tract.) 8vo. *Wiesbaden*, 1842.
Jahrbücher. Heft I. etc. 8vo. *Wiesbaden*, 1844 *etc.*
Statuten. (Tract.) 8vo. *Wiesbaden*, 1849.

Winchester. Winchester and Hampshire Scientific and Literary Society.
Annual Reports, 1870 and 1870–71. 8vo. *Winchester*, 1870–71.
Journal of Proceedings. Vol. I. parts 2–4; Vol. II. parts 2, 3; and Vol. III. part 1. 1871–1878. 8vo. *Winchester*, 1873–78.

Winchester. Winchester College Natural-History Society.
Reports, Nos. 1–4. 8vo. *Winchester*, 1871–77.

Wolverhampton. South Midland Institute of Mining, Civil, and Mechanical Engineers.
Transactions. Vol. I. 1869. 8vo. *Wolverhampton*, 1870.

Worcester. Analyst, a [Monthly, *afterwards*] Quarterly Journal of Science, Literature (Natural History), and the Fine Arts. No. 7 and Vol. VIII. 8vo. *Worcester* and *London*, 1835–38.

Worcester. Malvern Naturalists' Field-Club.
Transactions. Part I. 8vo. *Worcester*, 1855.

Worcester. Worcestershire Natural-History Society.
Addresses of the Council, 1837 and 1839, delivered by H. E. Strickland and Rev. J. Pearson. (Tract.) 8vo. *Worsester*, 1837–39.
Proceedings at the Anniversaries II.–VII. 8vo. *Worcester*, 1835–40.

Würzburg. Physikalisch-medicinische Gesellschaft.
Würzburger naturwissenschaftliche Zeitschrift. Band II.–V. 8vo. *Würzburg*, 1861–64.

Yokohama. Deutsche Gesellschaft für Natur- und Völkerkunde Ostasiens.
Mittheilungen. Heft 1–6. 4to. *Yokohama*, 1873–74.

York. Yorkshire Philosophical Society.
Annual Reports for 1825–1834 and 1877. 8vo. *York*, 1826–78.
Proceedings, 1847–1854. 8vo. *York*, 1855.
Communications to the Monthly Meetings, 1876. 8vo. *York*, 1877.
Laws and Regulations. (Tract.) 8vo. *York*, 1826.
Objects of the Society, instituted 1822. 8vo. *York*, 1825.

York. Natural-History Journal. [Conducted by the Societies in Friends' Schools.] Vol. I. 8vo. *York*, 1878.

York. Yorkshire Naturalists' Club.
Proceedings, 1869. 12mo. *York*, 1870.

Zürich. Naturforschende Gesellschaft.
Mittheilungen. Heft I. u. II. 8vo. *Zürich*, 1847–48.
Verhandlungen. 48. Versammlung Jahresbericht 1864. 8vo. *Zürich*, 1865.
Denkschrift zur Feier des Hundertjährigen Stiftungfestes, am 30. November 1846. (Tract.) 4to. *Zürich*, 1846.

Zürich. Schweizerische paläontologische Gesellschaft. (Société paléontologique Suisse.)
Abhandlungen. (Mémoires.) Vols. I. etc. 4to. *Zürich*, *Basle*, and *Geneva*, 1875 *etc.*
Bachmann (J.). Beschreibung eines Unterkiefers von *Dinotherium bavaricum*, H. v. Meyer, aus dem Berner Jura. 1875.
——. Fossile Eier aus der obern Süsswassermolasse der Umgebung von Luzern. 1878.
Biedermann (W. G. A.). *Mastodon angustidens*, Cuv. 1876.
Favre (E.). Description des fossiles du terrain jurassique de la Montagne des Voirons (Savoie). 1875.
——. Description des fossiles du terrain oxfordien des Alpes fribourgeoises. 1876.
——. La zone à *Ammonites acanthicus* dans les Alpes de la Suisse et de la Savoie. 1877.
——. Fossiles des couches tithoniques des Alpes fribourgeoises. 1879.
Heer (O.). Ueber fossile Pflanzen von Sumatra. 1875.

Zürich. Schweizerische paläontologische Gesellschaft. (Société paléontologique Suisse).

Abhandlungen. (Mémoires.) Vols. I. etc.

Loriol (P. de). (Echinologie helvétique, 3me partie.) Echinides de la période tertiaire. 1875–76.

——. Monographie paléontologique des couches de la zone à *Ammonites tenuilobatus* (Badener Schichten) de Baden (Argovie). 1876–78.

——. Monographie des Crinoïdes fossiles de la Suisse. 1877–79.

Major (C. J. F.). Beiträge zur Geschichte der fossilen Pferde, insbesondere Italiens. 1877.

Moesch (C.). Monographie der Pholadomyen. 1875.

Rothpletz, A. Die Steinkohlenformation und deren Flora an der Ostseite des Töde. 1879.

Rütimeyer (L.). Weitere Beiträge zur Beurtheilung der Pferde der Quaternär-Epoche. 1875.

——. Die Rinder der Tertiär-Epoche nebst Vorstudien zu einer natürlichen Geschichte der Antilopen. 1877–78.

Wiedersheim (R.). *Labyrinthodon Rütimeyeri.* Ein Beitrag zur Anatomie vom Gesammtskelet und Gehirn der triassichen Labyrinthodonten. 1878.

——. Ueber einen neuen *Saurus* aus der Trias. 1879.

Serres (Pierre Marcel Toussaint de). Obituary Notice. See GERVAIS (P.).

——. Mémoire sur divers débris de Mastodontes à dents étroites, ou Mastodontes de Simorre, découverts récemment dans plusieurs localités de la France, et particulièrement dans les environs de Montpellier. (Tract.) 8vo. *Paris*, 1825.

——. Notice sur les cavernes à ossemens fossiles des carrières du Calcaire Grossier situées aux environs de Lunel-Viel, département de l'Hérault. (Tract.) 8vo. *Paris*, 1826.

——. Note sur les vulcans éteints du midi de la France, dont les éruptions ont été postérieures au dépôt du deuxième terrain d'eau douce de MM. Cuvier et Brongniart. (Tract.) 8vo. *Paris*, 1827.

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——. Géognosie des terrains tertiaires, ou Tableau des principaux animaux invertébrés des terrains marins tertiaires du midi de la France. 8vo. *Paris* and *Montpellier*, 1829.

——. De la simultanéité des terrains de sédiment supérieur. (Tract.) 2 copies. 4to. *Paris*, 1830.

——. Notice sur les puits artésiens. (Tract.) 8vo. *Montpellier*, 1830.

——. Des causes de la plus grande taille des espèces fossiles et humatiles comparées aux espèces vivantes. (Tract.) 8vo. *Paris*, 1833.

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Serres (Pierre Marcel Toussaint de). Observations sur les Rhinocéros fossiles et humatiles. (Tract.) 8vo. *Paris*, 1834.

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——. Essai sur la question de savoir si l'observation faite dans les mines de houille du Canada et de la baie de Baffin, de plantes analogues à celles qui vivent maintenant dans les régions équatoriales, annoncent un changement dans l'inclinaison de l'écliptique. (Tract.) 2 copies. 8vo. *Geneva*, 1835.

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——. Des animaux fossiles de la couche supérieure des terrains tertiaires marins des environs de Montpellier. (Tract.) 8vo. *Lyons*, 1838.

——. De quelques Mollusques nouveaux des terrains infrà-jurassiques et de la craie compacte inférieure du midi de la France. (Tract.) 8vo. *Bordeaux*, 1842.

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——. Des particularités des terrains tertiaires des bassins océaniques et méditerranéens. (Tract.) 4to. *Montpellier*, 1856.

——, **Dubreuil** (—), and **Jeanjean** (B.). Recherches sur les ossemens humatiles des cavernes de Lunel-Viel. 8vo. *Montpellier*, 1839.

Sesler (Leonard). See Donati (Vitaliano).

Seue (C. de). Le névé de Justedal et ses glaciers. (Tract.) 4to. *Christiania*, 1870.

Seuger (Wilhelm von). Versuch einer Oryctographie der gefürsteten Grafschaft Tyrol. (Tract.) 8vo. *Innsbruck*, 1821.

Severgin (B. M.). See Museums. St. Petersburg.

Sewell (H. D.). Travertine or Calcareous Tufa. (Tract.) 8vo. *Quebec*, 1837.

Sexe (S. A.). Om Smeebræen folgefon. (Tract.) 8vo. *Christiania*, 1864.

——. Mærker efter en istid i omegnen af Hardangerfjorden. (Tract.) 4to. *Christiania*, 1866.

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——. On the rise of Land in Scandinavia. (Tract.) 4to. *Christiania*, 1872.

——. Jættegryder og gamle strandlinier i fast klippe. (On Giants' Caldrons.) (Tract.) 4to. *Christiania*, 1874.

Seymour (*Lord* Webb). An account of observations made by Lord Webb Seymour and Professor Playfair upon some geological appearances in Glen Tilt and the adjacent country. (Tract.) 8vo. *Edinburgh*, 1814.

Seymour (William N.). See Madison Directory.

Shaler (N. S.). List of the Brachiopoda from the Island of Anticosti, sent by the Museum of Comparative Zoology to different Institutions in exchange for other Specimens, with Annotations. (Tract.) 8vo. *Cambridge, Mass.*, 1865.

Sharp (Samuel). Rudiments of Geology. 8vo. *London*, 1875.

——. ——. 2nd edition. 8vo. *London*, 1876.

Sharpe (Daniel). Description of a new species of *Ichthyosaurus*. (Tract.) 8vo. *London*, 1830.

——. On the Strata in the immediate neighbourhood of Lisbon and Oporto. (Tract.) 8vo. *London*, 1832.

——. On the Geology of the neighbourhood of Lisbon. (Tract.) 8vo. *London*, 1839.

——. On the Bala Limestone. (Tract.) 8vo. *London*, 1842.

——. Sketch of the Geology of the south of Westmoreland. (Tract.) 8vo. *London*, 1842.

——. On the Silurian Rocks of the South of Westmoreland and North Lancashire. (Tract.) 8vo. *London*, 1843.

——. Contributions to the Geology of North Wales. (Tract.) 2 copies. 8vo. *London*, 1846.

——. On Slaty Cleavage. (Tracts.) 8vo. *London*, 1847–49.

——. On *Trematis*, a new genus belonging to the Family of Brachiopodous Mollusca. (Tract.) 8vo. *London*, 1847.

——. On the Fossil Remains of Mollusca from the Palæozoic Formations of the United States. (Tract.) 8vo. *London*, 1848.

——. On the Geology of the neighbourhood of Oporto, including the Silurian Coal and Slates of Vallonge. (Tract.) 8vo. *London*, 1849.

——. Three papers on the Secondary Rocks and Fossils of Portugal. (Tract.) 8vo. *London*, 1849–50.

——. On the Secondary District of Portugal which lies on the north of the Tagus. (Tract.) 8vo. *London*, 1850.

——. On the arrangement of the Foliation and Cleavage of the Rocks of the North of Scotland. (Tract.) 4to. *London*, 1852.

——. On the "Quartz Rock" of MacCulloch's Map of Scotland. (Tract.) 8vo. *London*, 1852.

——. On the southern border of the Highlands of Scotland. (Tract.) 8vo. *London*, 1852.

——. Review of the Classification of the Palæozoic Formations adopted by M. Dumont for the Geological Map of Belgium, with reference to its applicability to this country. (Tract.) 8vo. *London*, 1852.

——. Description of the Fossil Remains of Mollusca found in the Chalk of England. [Palæontographical Society.] 4to. *London*, 1853–56.

——. On the Age of the Fossiliferous Sands and Gravels of Farringdon and its neighbourhood. (Tract.) 8vo. *London*, 1854.

——. On the structure of Mont Blanc and its environs. (Tract.) 8vo. *London*, 1854.

——. On the last elevation of the Alps; with notices of the heights at which the sea has left traces of its action on their sides. (Tract.) 8vo. *London*, 1856.

——. See Austin (A. R. C. Godwin-), Morris (John), and Ribeiro (Carlos).

Sharswood (William). Catalogue of the Minerals containing Cerium. (Tract.) 8vo. *Boston*, 1861.

——. Catalogue of the [localities of the] Mineralogical species Allanite. (Tract.) 8vo. *Boston*, 1861.

Shearwater Expedition. See Carpenter (William Benjamin).

Sheepshanks (R.). A reply to Mr. Babbage's Letter to 'The Times' "On the Planet Neptune and the Royal Astronomical Society's Medal." (Tract.) 8vo. *London*, 1847.

Sheibner (Charles Preller). On Foyaite, an Elæolitic Syenite occurring in Portugal. (Tract.) 8vo. *London*, 1879.

Shelford (William). On the outfall of the River Humber. (Tract.) 8vo. *London*, 1869.

Shepard (Charles Upham). Treatise on Mineralogy: second part, consisting of descriptions of the species, etc. 2 vols. 8vo. *New Haven*, 1835.

——. Report on the Geological Survey of Connecticut. (Tract.) 8vo. *New Haven*, 1837.

——. Analysis of Meteoric Iron from Coke County, Tennessee, etc. (Tract.) 8vo. *Boston*, 1842.

——. On Washingtonite (a new Mineral), the discovery of Euclase in Connecticut, and additional notices of the supposed Phenakite of Goshen, and Calstron-baryte of Schoharie, N. Y. (Tract.) 8vo. *Boston*, 1842.

——. See Surveys: Connecticut.

Sheringham (W. L.). See Admiralty Publications.

Shirreff (R.). Plan for enlarging and improving the Harbour and Town of South and North Leith, etc. [imperfect]. (Tract.) 4to. *Edinburgh.*

Shortland (Edward). A short sketch of the Maori races. (Tract.) 8vo. *Dunedin, N. Z.*, 1865.

Shortland (P. F.). Sounding voyage of H.M.S. 'Hydra,' in 1869. 8vo. *London*, 1869.

Shorto (H.). On Chalk Flints. (Tract.) Fcap. fol. *Manuscript*, 1813.

Shpelevsky (S. M.). **Древніе Города.** Ancient towns and Tartar Monuments in the Government of Kasan. 8vo. *Kasan*, 1877.

Shumard (Benjamin F.). Description of new Fossil Crinoidea from the Palæozoic Rocks of the western and southern portions of the United States. (Tract.) 8vo. *St. Louis*, 1857

——. Notice of Fossils from the Permian Strata of Texas and New Mexico, etc. (Tract.) 8vo. *St. Louis*, 1860.

——. See Red River; Surveys, Missouri; and Yandell (Lunsford P.).

—— and **Swallow** (G. C.). Descriptions of new Fossils from the Coal-measures of Missouri and Kansas. (Tract.) 8vo. *St. Louis, Mo.*, 1858.

Shuter (—). On the Island of Madeira. (Tract.) 4to. *Manuscript.*

Shuttleworth (R. J.). Catalogue of the Terrestrial and Fluviatile Shells of St. Thomas, West Indies. (Tract.) 8vo. *New York*, 1854.

Siber (Thaddäus). Biographical Notice. See Lamont (*Dr.*).

Sica de Gifoni (Geronimo). Morale discorso fatto tra l'effetti cagionati dalla voragine del Vesuvio, e li motivi visti nelli Christiani. (Tract.) 8vo. *Naples*, 1632

Sickler (F.). Ideen zu einem vulkanischen Erd-Globus, etc. (Tract.) 2 copies. 8vo. *Weimar*, 1812.

Siebold (C. Th. E. von). Ueber Parthenogenesis. (Tract.) 4to. *Munich*, 1862.

——. See **Wagner** (J. A.).

Siegert (Th.). See **Surveys: Saxony.**

Siegfried (J.). Der schweizerische Jura, seine Gesteine, seine Bergketten, Thäler und Gewässer, Klima und Vegetation. (Die Schweiz, 1er Band.) 8vo. *Zurich*, 1851.

Siemssen (Adolph Christian). Vorläufige Nachricht von den Mineralien Mecklenburgs. (Tract.) 8vo. *Schwerin*, 1792.

—— and **Ditmar** (L. P. F.). Systematische Uebersicht der mineralogisch einfachen meklenburgischen Fossilien. [Neuer Beitrag zur lithographischen Kenntniss, etc.] (Tract.) 8vo. *Rostock* and *Leipzig*, 1804.

Sigfridus (Joannes). See **Agricola** (Georg).

Silliman (Benjamin). Outline of the Course of Geological Lectures given in Yale College. (Tract.) 8vo. *New Haven*, 1829.

——. Consistency of the Discoveries of Modern Geology with the Sacred History of the Creation and the Deluge. (Tract.) 8vo. *New Haven*, 1833.

——. Address delivered before the Association of American Geologists and Naturalists at Boston, 1842. (Tract.) 8vo. *New York*, 1842.

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——. Review of a System of Mineralogy, by James D. Dana. (Tract.) 8vo. *New Haven*, 1844.

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Silurian System. [From the Edinburgh Review.] (Tract.) 8vo. *Edinburgh*, 1841.

Silva (José Bonifacio de Andrada e). See **Andrada e Silva** (José Bonifacio de).

Silvertop (Charles). On the Lacustrine Basins of Baza and Alhama, in the province of Granada in Spain. (Tract.) 8vo. *Edinburgh*, 1831.

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Simonin (L.). Notice sur la houillère d'Epinac, Saône-et-Loire. (Tract.) 8vo. *Paris* and *Liége*, 1866.

Simpson (J. H.). See **United States.** Reports of the Secretary of War.

Simpson (Martin). A Guide to the Geology of the Yorkshire coast. 4th edition. (Tract.) 12mo. *London*, 1868.

Sinclair (*Sir* John). Address to the Board of Agriculture on the progress made by that institution in promoting the improvement of the country, . . . June, 1810. (Tract.) 4to. *London*, 1810.

Sinding (W.). Ueber die Zusammensetzung des Basaltes von Stolpen. (Tract.) 8vo. *Berlin*, 1839.

Singer (J. H.). Memoir of the late President [of the Royal Irish Academy, B. Lloyd]. (Tract.) 8vo. *Dublin*, 1838.

Sinnett (Frederick). An account of the Colony of South Australia, together with a Catalogue of all the products of South Australia, exhibited in . . . the International Exhibition [of 1862]. (Tract.) 2 copies. 8vo. *London*, 1862.

Sinobas (Manuel Rico y). See RICO Y SINOBAS (Manuel).

Sinzow (Johann). See KARRER (Felix).

Siqueira (J. P. Fragoso de). See FRAGOSO DE SIQUEIRA (J. P.).

Sirr (Henry Charles). Collection of Organic Remains. See M'COY (Frederick).

Sismonda (Angelo). Essai géognostique dans les deux vallées voisines de Stura et de Vinay. (Tract.) 4to. *Turin*, 1830.

——. Osservazioni geognostiche e mineralogiche intorno ad alcune valli delle Alpi del Piemonte. (Tract.) 4to. *Turin*, 1836.

——. Osservazioni geologiche e mineralogiche sopra i monti posti tra la valle di Aosta e quella di Susa in Piemonte. (Tract.) 3 copies. 4to. *Turin*, 1838.

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——. Osservazioni mineralogiche e geologiche per servire alla formazione della carta geologica del Piemonte. (Tract.) 4to. *Turin*, 1840.

——. Memoria sui terreni stratificati delle Alpi. (Tract.) 4to. *Turin*, 1841.

——. Osservazioni geologiche sulle Alpi marittime e sugli Apennini liguri. (Tract.) 4to. *Turin*, 1841.

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——. Appendice alla Descrizione dei pesci e dei crostacei fossili nel Piemonte. (Tract.) 4to. *Turin*, 1861.

——. Synopsis methodica Animalium invertebratorum Pedemontii fossilium. Editio altera. (Tract.) 8vo. *Turin*, 1847.

Sismonda (Angelo). Osteografia di un Mastodonte angustidente. (Tract.) 4to. *Turin*, 1851.

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——. Note sur le terrain nummulitique supérieur du Dego, des Carcare etc., dans l'Apennin ligurien. (Tract.) 2 copies. 4to. *Turin*, 1855.

——. See Bellardi (Luigi).

Sivry (— de). Journal des observations minéralogiques faites dans une partie des Vosges et de l'Alsace. 8vo. *Nancy*, 1782.

Skene (A. J.). Through Gipps Land. (Tract.) 8vo. *Melbourne*, 1874.

——. See Reports, Colonial, etc. Victoria.

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Skertchly (Sydney B. J.). Physical Geography. 8vo. *London*, 1872.

——. Geology. 8vo. *London*, 1873.

——. On the Manufacture of Gun-flints, the methods of excavating for flint, the age of Palæolithic Man, and the connexion between the Neolithic art and the gun-flint trade. (Memoirs of the Geological Survey of England and Wales.) 8vo. *London*, 1879.

——. See Knights (—), and Surveys, England and Wales.

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Smith (Aquilla). See Haughton (Samuel).

Smith (Charles H.). Lithology; or, Observations on Stone used for Building. (Tract.) 4to. *London*, 1840.

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Smith (James). On the relative ages of the Tertiary and Post-tertiary Deposits of the basin of the Clyde. (Tract.) 4to. *London*, 1840.

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Smith (J. E.). See Derham (W.)

Smith (John Pye). On the Relation between the Holy Scriptures and some parts of Geological Science. 8vo. *London*, 1839.

——. ——. 2nd edition. 8vo. *London*, 1840.

——. ——. 3rd edition. 8vo. *London*, 1843.

——. ——. 4th edition. 8vo. *London*, 1848.

——. ——. 5th edition, with a short sketch of the Literary Life of the author, by J. Hamilton Davies. 8vo. *London*, 1852.

Smith (J. Toulmin). The Ventriculidæ of the Chalk.
8vo. *London*, 1848.

——. The finding of True Facts, being an Inaugural Address delivered at the first meeting of the Geologists' Association, 1859. (Tract.)
8vo. *London*, 1859.

Smith (M. L.) and **Hardcastle** (Ed. L. F.). Report of the Secretary of War, communicating a map of the Valley of Mexico from surveys by Lieutenants Smith and Hardcastle. (Tract.)
8vo. *Washington*, 1850.

Smith (Persifor F.). See California.

Smith (R. Baird). Notes illustrative of the Geology of Southern India. (Tract.) 8vo. *Calcutta*, 1840.

Smith (Thomas). The Miner's Guide, being a description and illustration of a Chart of Sections of the principal mines of coal and ironstone in the counties of Stafford, Salop, Warwick, and Durham.
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——. Stratigraphical System of Organized Fossils. 4to. *London*, 1817.

——. (Reviews of his Geological Works, from the 'Edinburgh Review.' Tract.) 8vo. *Edinburgh*, 1818.

——. Geological Atlas. 8vo. *London*, 1819–24.

——. Synopsis of Geological Phenomena. (Tract.) Fol. *Oxford*, 1832.

——. Memoirs of William Smith. See Phillips (John).

——. See Reports, Parliamentary. Building-stone.

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Fol. *Bristol*, 1811.

Smith (*Rev.* William). A Natural History of Nevis, and the rest of the English Leeward Charibee Islands in America.
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Smith (*Rev.* William). See British Museum.

Smith (William H.). The Mediterranean, a Memoir Physical, Historical, and Nautical. 8vo. *London*, 1854.

Smith (William R.). The History of Wisconsin, in three parts, Historical, Documentary, and Descriptive. Vols. I. and III.
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Smithe (Frederick). The Geology of Churchdown Hill. 2 copies of Part I. (Tract.) 8vo. *Gloucester*, 1861.

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——. See Edinburgh Observatory.

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——. See Exhibition of 1862; Reports, Colonial, etc., Victoria; Skene (A. J.); and Surveys, Victoria.

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——. A Treatise on Coal and Coal-mining. 8vo. *London*, 1867.

——. A rudimentary Treatise on Coal-mining. 2nd edition. 12mo. *London*, 1872.

——. Lecture on Mineralogy delivered at the South Kensington Museum, 7th of May, 1860. (Tract.) 8vo. *London*, 1873.

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Sobrero (Ascanio). See Serials, etc.: Turin, Accademia delle Scienze.

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Sollas (W. J.). Syllabus of a course of Lectures on Geology. [Cambridge University Extension.] 1873–1877. 8vo. *London*, 1878.

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——. See Buch (Leopold von).

Somervail (Alexander). See Serials, etc.: Edinburgh, Geological Society.

Sömmerring (Samuel Thomas von). Ueber die *Lacerta gigantea* der Vorwelt. (Tract.) 4to. *Munich*, 1816.

Sommerville (John). Catalogue of Scottish Rocks. (Tract.) 8vo. *Edinburgh*, no date.

Sonder (W.). See Von der Decken (Carl Claus). Reisen in Ost-Africa in 1859–65.

Sonneschmid (Friedrich Traugott). Mineralogische Beschreibung der vorzüglichsten Bergwerks-Reviere von Mexico oder Neuspanien. 8vo. *Mädlareuth*, 1804.

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Sorge (C. Th.). See GEINITZ (H. B.).

Sorretino (Ignazio). Istoria del Monte Vesuvio. 4to. *Naples*, 1734.

Soulavie (J. L. Giraud-). See GIRAUD-SOULAVIE (J. L.).

South (*Sir* James). Reply to a Letter in the 'Morning Chronicle' relative to the interest which the British Government evinces in the promotion of Astronomical Science. (Tract.) 8vo. *London*, 1829.

——. Refutation of the numerous misstatements and fallacies contained in a paper presented to the Admiralty by D. Thomas Young . . . 1829. (Tract.) 8vo. *London*, 1829.

——. See DAVY (John).

South Australia. Mineral resources north of Port Augusta. (Tract.) 2 copies. Fol. *Adelaide*, 1872.

——. See SINNETT (Frederick).

Southern (George William). See REPORTS, PARLIAMENTARY. Mines.

Sowerby (George Brettingham). A Catalogue of the Shells contained in the collection of the late Earl of Tankerville, arranged according to the Lamarckian conchological system, together with an Appendix, containing descriptions of many new species. 2 copies. 8vo. *London*, 1825.

——. The Mineral Conchology of Great Britain. 10 vols. 2 copies in 5 vols. and 10 vols. 8vo. *London*, 1818–29.

——. Descriptions of three new Shells. (Tract.) 8vo. *London*, no date.

——. Part the First of a [Sale-] Catalogue of his stock, consisting of Madrepores, fossils, etc. (Tract.) 8vo. *London*, 1832.

——. A [sale] Catalogue of Books, . . . Shells, and a few remarkable Minerals and Fossils; etc. (Tract.) 8vo. *London*, 1835.

——. A Conchological Manual. 8vo. *London*, 1839.

——. Description of a new fossil Cirripede from the Upper Chalk near Rochester. (Tract.) 8vo. *London*, 1843.

——. See BRODERIP (W. J.).

Sowerby (James de Carle). On Kimmeridge and other Coals. (Tract.) MS.

——. A List of Minerals, with Latin and English names and numerous synonyms, etc. (Tract.) 8vo. *London*, 1819.

——. List of Rocks and Strata, arranged in the order in which they generally occur, etc. (Tract.) 8vo. *London*, 1819.

Spada (J. J.). Corporum lapidefactorum agri Veronensis Catalogus. Editio altera multo auctior, cui accedunt Annotationes. 4to. *Verona*, 1744.

Spain. See SURVEYS.

Spallanzani (Lazare). Voyages dans les deux Siciles et dans quelques parties des Apennins. Traduits de l'Italien par G. Toscan, avec notes par Faujas-de-St.-Fond. 6 vols. 8vo. *Paris*, 1800.

Spanish Colonies. Political, Commercial, and Statistical Sketches of the Spanish Empire in both Indies, etc. 8vo. *London*, 1809.

Spargo (Thomas). Statistics and observations on the Mines of Cornwall and Devon. 8vo. *London*, 1864.

Speir (Francis, jun.). See SERIALS, ETC.: PRINCETON, N. J. Museum of Geology, etc.

Spence (William). Address delivered at the Anniversary Meeting of the Entomological Society of London, 1848. (Tract.) 8vo. *London*, 1848.

Spence (William). (Memoir of the Rev. William Kirby, M.A.) (Tract.) 8vo. *London*, 1850

Spencer (Joseph William). On the Nipigon or Copper-bearing Rocks of Lake Superior, with notes on copper-mining in that region. (Tract.) 8vo. *Montreal*, 1876.

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Sperges (Joseph von). Tyrolische Bergwerksgeschichte, etc. 8vo. *Vienna*, 1765.

Speyer (Oscar). Die Ostracoden der Casseler Tertiärbildungen. (Tract.) 8vo. *Cassel*, 1863.

Spiller (J.). See SMYTH (Warington W.).

Spon (Edward and F. N.). Catalogue of Scientific Books. 8vo. *London*, 1867.

Spottiswoode (William). On the Old and New Laboratories at the Royal Institution. (Tract.) 8vo. *London*, 1873.

Sprat (Thomas). The History of the Royal Society of London for the improving of Natural Knowledge. 4to. *London*, 1667.

Spratt (Thomas A. B.). On the Geology of the Maltese Islands. With a note on the Fossils, by Prof. E. Forbes. (Tract.) 8vo. *London*, 1844.

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——. Travels and Researches in Crete. 2 vols. 8vo. *London*, 1865.

——. On the evidences of the rapid silting in progress at Port Said, the entrance to the Suez Canal. 8vo. *London*, 1870.

——. The Cretan Venus. (Tract.) Fol. *London*, 1877.

—— A suggestion for the improvement of the entrance to the Mersey. (Tract.) 8vo. *London*, 1880.

——. See FORCHHAMMER (P. W.).

—— and **Forbes** (Edward). Travels in Lycia, Milyas, and the Cibyratis. 2 vols. 8vo. *London*, 1847.

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Stanhope (*Earl*). Address as President of the Medico-Botanical Society, at the Anniversary Meetings, 1829–1831, 1836, and 1837. (Tracts.) 8vo. *London*, 1829–37.

Stanley (William Ford). A descriptive Treatise on Mathematical Drawing Instruments. 8vo. *London*, 1866.

Stansbury (Howard). Exploration and Survey of the valley of the Great Salt Lake of Utah. With Maps. 8vo. *Philadelphia*, 1852.

Staring (W. C. H.). (Geologische Kaart van Nederland.) Gronden van Nederland en de aangrenzende Streken. (Tract.) 12mo. *Haarlem*, 1858–67.

——. (Carte géologique de la Néerlande.) Terrains de la Néerlande et des contrées limitrophes. (Tract.) 8vo. *Haarlem*, 1858–67.

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——. Over de Herkomst van het Grind onzer Rivieren. (Tract.) 8vo. *Amsterdam*, 1860.

——. See BOSQUET (J.).

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Steenstrup (Johann Japetus Smith). On the Alternation of Generations; or the Propagation and development of Animals through alternate generations. Translated from the German version of C. H. Lorenzen, by George Busk. 8vo. *London*, 1845.

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——. See FORCHHAMMER (G.).

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——. Vollständiges Handbuch der Oryktognosie. 2 vols. 12mo. *Halle*, 1811–15.

Stein (W.). See Saxony.

Steindachner (Franz). Beiträge zur Kenntniss der fossilen Fischfauna Österreichs. (Tracts.) 8vo. *Vienna*, 1859–60.

——. ——. 4te Folge. (Tract.) 8vo. *Vienna*, 1863.

——. Ichthyologische Notizen. (Tract.) 8vo. *St. Petersburg*, 1869.

——. See Kner (Rudolph).

Steinhardt (E. Th. G.). Die bis jetzt in preuss. Geschieben gefundenen Trilobiten. 4to. *Königsberg*, 1874.

Steinhauer (Henry). Memoir on Fossil Reliquiæ of unknown vegetables in the Coal Strata. (Tract.) 4to. *Philadelphia*, 1818.

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——. Geognostische Beschreibung der Eifel. 4to. *Treves*, 1853.

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Stelzner (Alfred Wilhelm). Die Granite von Geyer und Ehrenfriedersdorf sowie die Zinnerzlagerstätten von Geyer. 8vo. *Freiberg*, 1865.

——. See Saxony. Beiträge zur geognostischen Kenntniss des Erzgebirges.

Steno (Nicola). Biographical Notice. See Capellini (Giovanni).

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——. See Pilla (Leopoldo).

Stenzel (Karl Gustav). Zwei Beiträge zur Kenntniss der fossilen Palmen. (Tract.) 4to. *Breslau* and *Bonn*, 1850.

Stephens (James Francis). See British Museum.

Stephens (Walter). Notes on the Mineralogy of part of the vicinity of Dublin. Edited by W. Fitton. (Tract.) 2 copies. 8vo. *London*, 1812.

Stephenson (George Robert). Address . . . on his election as President of the Institution of Civil Engineers, 1875–76. (Tract.)
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Stephenson (Robert). (Report to the proposed London and Westminster Water Company; and, Observations on the Report.) (Tract.)
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Fol. *Leipzig* and *Prague*, 1820.

Sternfeld (J. C. von Koch-). See Koch-Sternfeld (J. C. von).

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Stizenberger (Ernst). Uebersicht der Versteinerungen des Grossherzogthums Baden. (Tract.) 8vo. *Freiberg*, 1851.

Stobæus (Kilianus). Opuscula in quibus Petrefactorum, Numismatum et Antiquitatum Historia illustratur. 4to. *Dantzig*, 1752.

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8vo. *London* and *Derby*, 1878.

Stokes (W.). A Catalogue of the Minerals in the Museum of Trinity College, Dublin. Part. I. Systematic Collection.
8vo. *Dublin*, 1807.

Stoliczka (F.). Ueber eine der Kreideformation angehörige Süsswasserbildung in den nordöstlichen Alpen. (Tract.) 8vo. *Vienna*, 1860.

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——. See Blanford (W. T.) and Novara Expedition.

Stones (William). On Colonization: its Aspects and Results. (Tract.) 8vo. *London*, 1865.

Stoppani (Antonio). Paléontologie Lombarde, ou Description des fossiles de Lombardie. 1^e^ serie; 2^me^ série, pp. 1–72; 3^e^ serie; and 4^me^ série, pp. 1–112; and appendix, pp. 1–40. 4to. *Milan*, 1858 *etc.*

——. Essai sur les conditions générales des couches à *Avicula contorta*, etc., en Lombardie. (Tract.) 4to. *Milan*, 1861.

——. Supplément à l'essai sur les conditions générales des couches à *Avicula contorta*. (Tract.) 4to. *Milan*, 1863.

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——. See SELLA (Quintino).

Strzelecki (P. E. de). Physical description of New South Wales and Van Diemen's Land. 8vo. *London*, 1845.

Stübner (Johann Christoph). Geographische, naturhistorische und vorzüglich mineralogische Beschreibung des Harzgebirges. 2 vols. 8vo. *Leipzig*, 1800.

Studer (Bernhard). Beyträge zu einer Monographie der Molasse, etc. 8vo. *Berne*, 1825.

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Sturmey (Capt.). See Catcott (George Symes).

Stutchbury (Samuel). Catalogue of *his* stock, consisting of shells, minerals, fossils, etc. (Tract.) 8vo. *London*, 1860.

——. See Reports, Colonial. New South Wales.

Stütz (Andreas). Versuche über die Mineralgeschichte von Oesterreich unter der Ems. 2 copies. 8vo. *Vienna*, 1783.

——. Neue Einrichtung der k.-k. Naturalien-Sammlung zu Wien. 8vo. *Vienna*, 1793.

——. Physikalisch-mineralogische Beschreibung des Gold- und Silber-Bergwerkes zu Szekerembe bey Nagyag in Siebenbürgen. 8vo. *Vienna*, 1803.

Subiela (Pedro). Informe sobre las minas de Punitaqui en Chile, en el año de 1792. (Tract.) 4to. *Santiago*, 1792.

Suckow (Georg Adolph). Anfangsgründe der Mineralogie. 8vo. *Leipzig*, 1790.

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Sudlow (J. J. J.). An Inaugural Address, delivered in the theatre of the Islington Literary and Scientific Society, on the opening of the new building in 1837. (Tract.) 8vo. *London*, 1837.

Suess (Eduard). Ueber die Brachiopoden der Kössener Schichten. (Tract.) 4to. *Vienna*, 1854.

——. Notice sur l'appareil brachial des Thécidées, traduit par F. A. de Marschall, et Observations sur le même sujet, par E. Deslongchamps. (Tract.) 4to. *Caen*, 1855.

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——. Schreiben an Herrn Haidinger (über die Brachiopoden). 8vo. *Vienna*, 1859.

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——. Untersuchungen über den Charakter der österreichischen Tertiärablagerungen. I. Ueber die Gliederung der tertiären Bildungen zwischen dem Mannhart, der Donau und dem äusseren Saume des Hochgebirges. II. Ueber die Bedeutung der sogenannten "brackischen Stufe" oder der "Cerithienschichten." (Tract.) 8vo. *Vienna*, 1866.

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——. See Novara Expedition and Oppel (Albert).

Sullivan (W. K.) and **O'Reilly** (J. P.). Notes on the Geology and Mineralogy of the Spanish Provinces of Santander and Madrid. 8vo. *London*, 1863.

Sumner (Charles). Speech on the Cession of Russian America to the United States. (Tract.) 8vo. *Washington*, 1867.

Sumner (George Henry). The Earth: Past, Present, and Future. (Tract.) 12mo. *London*, 1857.

Surveys: Geological, Ordnance, and others.

Alabama. Geological Survey of the State of Alabama.

Biennial Reports on the Geology. By M. Tuomey. I.–II. (No. I. in duplicate.) 8vo. *Tuskaloosa*, 1850–58.

Reports of Progress, for the years 1874 and 1876. By E. A. Smith. 8vo. *Montgomery, Al.*, 1875–76.

Arkansas. Geological Survey of the State of Arkansas.

Report (I.) of a Geological Reconnaissance of the Northern Counties of Arkansas, during the years 1857–58. By D. D. Owen. 8vo. *Little Rock*, 1858.

Report (II.) of a Geological Reconnaissance of the Middle and Southern Counties of Arkansas, during the years 1859–60. By D. D. Owen. 8vo. *Philadelphia*, 1860.

Austria. Kais.-königliche geologische Reichsanstalt.

Abhandlungen. Band I. etc. 4to. *Vienna*, 1852 *etc.*

Jahrbuch. Jahrg. I. etc. 8vo. *Vienna*, 1850–18.

——. Register. Jahrg. I.–XX. 2 vols. 8vo. *Vienna*, 1863–72.

Catalog ihrer Ausstellungsgegendstände bei der Wiener Weltausstellung, 1873. 8vo. *Vienna*, 1873.

Verhandlungen. Jahrg. 1867, 1868, 1871, 1872, und 1874 etc. 8vo. *Vienna*, 1867 *etc.*

Geologische Uebersichtskarte der œsterreichisch-ungarischen Monarchie nach den Aufnahmen der k.-k. geologischen Reichsanstalt. Blatt 1–12 (1, 2, 5, and 6 in duplicate), von Franz von Hauer. 8vo. *Vienna*, 1863–73.

K.-k. geol. Reichsanstalt in der Sitzung des hohen k.-k. verstärkten Reichsrathes am 14. September 1860. (Tract.) 8vo. *Vienna*, 1860.

See Haidinger (W. von), Hauer (F. von), and Libraries, Catalogues of.

Belgium. Commission de la Carte géologique de la Belgique.

Description de gîtes fossilifères dévoniens et d'affleurements du terrain crétacé; par C. Malaise. 4to. *Brussels*, 1879.

Notice explicative servant de complément à la carte géologique des environs de Lennick St. Quentin, par G. Velge. 8vo. *Brussels*, 1880.

Rapport sur le projet d'une nouvelle carte géologique de la Belgique. 8vo. *Brussels*, 1875.

See also Dewalque (G.)

Texte explicatif du levé géologique des planchettes d'Hoboken et de Contich, par P. van Ertborn, avec la collaboration de P. Cogels. 8vo. *Brussels*, 1880.

Bohemia. Landesdurchforschungs-Comité.

Archiv der naturwissenschafltiche Landesdurchforschung von Böhmen. Band I. etc. 8vo. *Prague*, 1869 *etc.*

Wirksamkeit der Beiden Comités für die naturwissenschaftliche Durchforschung von Böhmen. Jahres-Bericht. I. and II. in Jahren 1864–65. 8vo. *Prague*, 1865–66.

California. Geological Survey of the State of California.

Contributions to the Barometric Hypsometry; with tables for use in California. 4to. *Cambridge, Mass.*, 1874.

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Ornithology. Vol. I. By J. G. Cooper and S. F. Baird. 4to. *Cambridge, Mass.*, 1870.

Palæontology. Vols. I., II. (Vol. I. in duplicate). By F. B. Meek and W. M. Gabb. 4to. *Cambridge, Mass.*, 1864–69.

Yosemite Guide-Book. 8vo. *Cambridge, Mass.*, 1870.

——. New edition. 12mo. *Cambridge, Mass.*, 1874.

See WHITNEY (J. D.).

Canada. British North-American Boundary Commission. See DAWSON (George M.)

Canada. Geological Survey of Canada.

Figures and Descriptions of Canadian Organic Remains. By Sir W. E. Logan (Director), J. W. Salter, James Hall, E. Billings, and T. Rymer Jones. Decades I.–IV. (Decade II. in duplicate). 8vo. *Montreal*, 1858–65.

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Reports of Progress [by the Directors, Sir W. E. Logan, and afterwards A. R. C. Selwyn] for the years 1844–45 to 1877–78. (Reports for 1844–45, 1845–46, 1848–49 to 1851–52, and 1852–53 to 1868–69 are in duplicate or triplicate.) 8vo. *Montreal*, 1846–78.

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Canada. Geological Survey of Canada.
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List of Publications. (Tract.) 8vo. *Montreal*, 1873.

Colorado. See UNITED STATES.

Connecticut. Geological Survey of the State of Connecticut.
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Report on the Geology of the State. By J. G. Percival. 8vo. *New Haven*, 1842.

England and Wales. Geological Survey of England and Wales.
Memoirs, published separately. 8vo. *London*, 1839–79.
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——. ——. 3rd edition. 1880.

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Midland Counties, Triassic and Permian Rocks of the. By E. Hull. 1869.

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England and Wales. Geological Survey of England and Wales.
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Finland. Finlands Geologiska Undersökning.
Beskrifning till kardbladet, No. 1, af K. Ad. Moberg.
8vo. *Helsingfors*, 1879.

France. [Commission de la Carte géologique de la France.]
Carte géologique détaillée de la France. Explications 1er cahier. Feuille 48: Paris. 8vo. *Paris*, 1873.
——. Généralités, B, C, et D (I., II., et III.). (Tracts.) 8vo. *Paris*, 1874.
——. Mémoires. No. 1. Le Pays de Bray, par M. de Lapparent.
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Great Britain. Geological Survey of Great Britain and Ireland.
Annual Reports of the Director-General for the years 1856–1859.
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Catalogue of the Maps, Horizontal and Vertical Sections, and other publications . . . to June 1863. (Tract.) 8vo. *London*, 1863.
——, to March 1865. (Tract.) 8vo. *London*, 1865.
Memoirs. Vols. I.–IV. (Vol. III. in duplicate). 8vo. *London*, 1846–72.

Great Britain. Geological Survey of Great Britain and Ireland.

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——. Figures and descriptions illustrative of British Organic Remains. Decades I.–XIII. (1, 3, 4, 5, Echinoderms; 2, 7, 11, Trilobites; 6, 8, 10, 13, Fish; 12, Crossopterygian Ganoids.) By E. Forbes, J. W. Salter, S. P. Woodward, Sir P. de M. G. Egerton, A. Günther, and T. H. Huxley. (Decade VI. in triplicate, X. and XII. in duplicate.) 4to. *London*, 1849–72.

——. Monographs I.–IV. (1, Genus *Pterygotus*; 2, Structure of the Belemnitidæ; 3, Crocodilian remains found in the Elgin Sandstone; 4 (2 copies), Chimæroid Fishes of the British Cretaceous Rocks.) By T. H. Huxley, J. W. Salter, and E. T. Newton. 4to. *London*, 1859–78.

——. Mining Records. Mineral Statistics of the United Kingdom, embracing the annual produce of Tin, Copper, Lead, Silver, Iron, Coals, and other Minerals, for 1855, 1857, 1858 (Parts 1 & 2), and 1867–1873. By Robert Hunt. 8vo. *London*, 1856–74.

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Great Britain. Museum of Practical Geology.

Arrangement of the Fossils and Rock-specimens in the Galleries. (Tract.) 4to. *London*, 1853.

Catalogue of the Collection of Fossils. By T. H. Huxley and R. Etheridge. 8vo. *London*, 1865.

Catalogue of the Library of the M. P. G. and Geological Survey, compiled by Henry White and Thomas W. Newton. 8vo. *London*, 1878.

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Catalogue of the Cretaceous Fossils. 8vo. *London*, 1878.

Catalogue of the Tertiary and Post-Tertiary Fossils. 8vo. *London*, 1878.

Descriptive Catalogue of the Geological, Mining, and Metallurgical Models. By H. Bauerman. 8vo. *London*, 1865.

Descriptive Catalogue of the Rock-specimens. By A. C. Ramsay, H. W. Bristow, and H. Bauerman. 8vo. *London*, 1858.

——. 2nd edition. By A. C. R., H. W. B., H. B., and A. Geikie. 8vo. *London*, 1860.

——. 3rd edition. By the same authors. 8vo. *London*, 1862.

Descriptive Guide. By Robert Hunt. 8vo. *London*, 1857.

See also Reports, Parliamentary; De la Beche (*Sir* H. T.); Phillips (John); and Playfair (L.).

Great Britain. School of Mines and of Science applied to the Arts. (Prospectus of the) 2nd Session, 1852–53. (Tract.) 8vo. *London*, 1852.

Great Britain. School of Mines and of Science applied to the Arts. Records. Vol. I. (Part 1 in duplicate). 8vo. *London*, 1852–53.

Great Britain. Ordnance [Trigonometrical] Survey of Great Britain and Ireland.

Abstracts from the Meteorological Observations taken at the Stations of the Royal Engineers in the years 1853–1859. With a brief discussion of some of the results, and Notes on Meteorological subjects. Edited by Sir H. James. (1853–54 in duplicate.) 4to. *London*, 1855–62.

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Abstracts of the principal lines of Spirit-levelling in Scotland. By Sir H. James. 4to. *London*, 1863.

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Catalogue of the Maps and Plans and other Publications of the . . . Survey of Scotland, to 31 December, 1862. (Tract.) 8vo. *London*, 1863.

Meteorological Charts. 1861. 4to. *London*, 1862.

Observations on days of unusual Magnetic Disturbance, made at the British Colonial Magnetic Observatories, under the departments of the Ordnance and Admiralty. Printed under the superintendence of Edward Sabine. Vol. I., Part 2. 4to. *London*, 1851.

Ordnance Survey of the County of Londonderry. By Thomas Colby. Vol. I. 4to. *Dublin*, 1837.

See also REPORTS, PARLIAMENTARY, Ordnance Survey; and WILLIAMS (Edward), &c.

Guiana, British. Geological Survey of British Guiana.
Reports of the Geological Survey of British Guiana, taken from the 'Colonist' newspaper, December 1869. 8vo. *Demerara*, 1870.

Hesse. Geologische Specialkarte des Grossherzogthums Hessen und der angrenzenden Landesgebiete im Maasstabe 1 : 50000. Herausgegeben vom mittelrheinischen geologischen Verein.
Mittheilungen: Sectionen Allehdorf-Treis (14) von E. Dieffenbach und R. Ludwig, 1870; Alsfeld (13) von R. Ludwig, 1869; Alzey (10) von R. Ludwig, 1866; Biedenkopf (16) von R. Ludwig, 1871; Büdingen (3) von R. Ludwig, 1857; Darmstadt (9) von R. Ludwig, 1864; Dieburg (6) von F. Becker und R. Ludwig, 1861; Erbach (8) von P. Siebert und R. Ludwig, 1863; Friedberg (1) von R. Ludwig, 1855; Giessen (2) von H. Dieffenbach, 1856; Gladenbach (15) von R. Ludwig, 1870; Herbstein-Fulda (7) von H. Tasche und W. C. J. Gutberlet, 1863; Lauterbach-Altenschlirf (12) von H. Tasche, W. C. J. Gutberlet und R. Ludwig, 1869; Mainz (11) von A. Grooss, 1867; Offenbach-Hanau-Frankfurt (4) von G. Theobald und R. Ludwig, 1858; Schotten (5) von H. Tasche, 1859; Worms (17) von R. Ludwig, 1872.
8vo. *Darmstadt*, 1858–72.

Holland. Commissie voor de Geologische Kaart van Nederland.
Verhandelingen. Deel I., II. 4to. *Haarlem*, 1853–54.
See Staring (W. C. H.).

Hungary. Magyar királyi foldtani intézet. (Hungarian Royal Geological Bureau.)
Evkönyvek (Annals). Köt. I., II. (1, 2), III. (1, 2, 4), IV. (1–3). (4 vols., imperfect.) 8vo. *Pesth*, 1871–76.
Mittheilungen aus dem Jahrbuche. Band I. (1, 2), II. (1), III. (1, 3), IV. (1–3), V. (1, 2), VI. (1). (6 vols., imperfect.)
8vo. *Pesth*, 1872–77.

Illinois. Geological Survey of the State of Illinois.
Geology and Palæontology. [A. H. Worthen, Director.] 2 vols.
4to. *Chicago*, 1866.
See also Iowa &c.

India. Geological Survey of India.
Annual Reports for the Seasons 1848–9 and 1859–67. (Tracts.)
8vo. *Calcutta*, 1850–68.
Catalogue of the Meteorites in the Museum. (Tract.)
8vo. *Calcutta*, 1866.
Catalogue of the organic remains belonging to the Cephalopoda in the Museum. (Tract.) 8vo. *Calcutta*, 1866.
Catalogue of the organic remains belonging to the Echinodermata in the Museum. (Tract.) 8vo. *Calcutta*, 1865.
Memoirs. Vols. I. etc. 8vo. *Calcutta*, 1856 *etc.*
——. Palæontologia Indica. Vols. I. etc. 4to. *Calcutta*, 1851 *etc.*
Records. Vols. I. etc. 8vo. *Calcutta*, 1870 *etc.*
——. Contents and Index of the first Ten Volumes, 1868–1877.
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India. Great Trigonometrical Survey of India.
Tables of Heights in Sind, the Punjab, N.W. Provinces, and Central India, to May 1862. 8vo. *Calcutta*, 1863.

India. Great Trigonometrical Survey of India.
Tables of Heights in N.W. Provinces and Bengal, to May 1865. 8vo. *Roorkee*, 1866.
See Reports, Colonial, etc. India.

Indiana. Geological Survey of the State of Indiana.
Annual Reports. I.–VI. and VIII.–X. (Reports I., III., and IV. in duplicate). 1869–1878. 8vo. *Indianopolis*, 1869–79.

Iowa. Geological Survey of the State of Iowa.
Report during portions of the years 1855–57. Vol. I. parts 1, 2. By James Hall and J. D. Whitney. 8vo. *Albany*?, 1858.
Report (of) Observations made within the years 1866–1869. By C. A. White, O. H. St. John, and R. Emery. 2 vols. 8vo. *Des Moines*, 1870.

Iowa &c. Geological Exploration of part of Iowa, Wisconsin, and Illinois.
Report, by D. D. Owen. 8vo. *Washington*, 1840.
See also Wisconsin.

Ireland. Geological Survey of Ireland.
Explanations to accompany Maps: Sheets Nos. 100–102, 110–112, 114, 119 (dupl.), 122–125, 128, 140, 141 (dupl.)–144, 145 (dupl.)–149, 150 (dupl.), 151 (dupl.), 152 (dupl.), 153, 155–157, 160–165, 167, 168, 171, 172 (dupl.), 174–179, 182–184 (dupl.), 190, 191, 199, 200, 203–205; and Quarter-sheets Nos. 35 S.E., 45 S.W., 45 S.E., and 46 N.W. 8vo. *Dublin*, 1858–65.
See also Portlock (J. E.).

Italy. Real Comitato Geologico (del regno) d'Italia.
Bollettino. Vols. I., etc. 8vo. *Florence*, 1870 *etc.*
Cenni sul lavoro della carta geologica. 1876. (Tract.) 8vo. *Rome*, 1877.

Japan. Geological Survey of Japan.
Report on the second year's progress of the Survey of the Oil-lands of Japan. By B. S. Lyman. (Tract.) 8vo. *Tokei*, 1878.
Reports of Progress for 1878–1879. By B. S. Lyman. 8vo. *Tokei*, 1879.

Japan. Geological Survey of Hokkaido.
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Kentucky. Geological Survey of the State of Kentucky.
Reports. Vols. I.–IV., with maps and Illustrations. By D. D. Owen. 8vo. *Frankfort, Ky.*, 1856–61.

Maine. Geological Survey of the State of Maine.
Reports on the Geology, by Charles T. Jackson. I.–II. (No. 1 in duplicate). 8vo. *Augusta*, 1837–38.

Maine. Board of Agriculture Scientific Survey of the State of Maine.
Annual Report upon the Natural History and Geology. By E. Holmes and C. Hitchcock. II. 1862. 8vo. *Augusta*, 1863.

Maine &c. (Survey of the Public Lands belonging to the two States of Maine and Massachusetts.)
Annual Report (2nd). By C. T. Jackson. (Tract.) 2 copies. 8vo. *Augusta*, 1838.

Maryland. Geological Survey of the State of Maryland.
Annual Report of the Geologist, J. T. Ducatel, 1840. (Tract.) 8vo. *Baltimore*, 1841.

Massachusetts. Geological Survey of the State of Massachusetts.

Reports on the Geology, Mineralogy, Botany, and Zoology of Massachusetts. By E. Hitchcock. 8vo. *Amherst*, 1833.

Report on the Geology, Mineralogy, Botany, and Zoology. By Edward Hitchcock. 2nd edition. 8vo. *Amherst*, 1835.

Final Report on the Geology. By E. Hitchcock. 4to. *Amherst* and *Northampton*, *U. S.*, 1841.

Zoological Survey of the State of Massachusetts. Reports of the Commissioners, 1837–38. (Tract.) 8vo. *Boston*, 1838.

Michigan. Geological Survey of the State of Michigan.

Report on the Geological and Mineralogical Survey of the mineral lands of the United States in the State of Michigan, 1849. By C. T. Jackson. 8vo. *Washington*, 1849.

Report on the Geology and Topography of a portion of the Lake Superior Land District. By J. W. Foster and J. D. Whitney. 8vo. *Washington*, 1850.

Biennial Report of Progress. No. 1. 8vo. *Lansing*, 1861.

——. Report on the Progress of the State Geological Survey of Michigan. (Tract.) By A. Winchell. 8vo. *Lansing*, 1871.

Upper Peninsula. 1869–1873. By T. B. Brooks, R. Pumpelly, and C. Rominger. Vols. I.–III. 8vo. *New York*, 1873–76.

Minnesota. Geological and Natural-History Survey of the State of Minnesota.

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Peat for Domestic Fuel. By S. F. Peckham. (Tract.) 8vo. *Minneapolis*, 1874.

See also Wisconsin.

Mississippi. Geological Survey of the State of Mississippi.

Report on the Agriculture and Geology. By B. L. C. Wailes. 8vo. . . . 1854.

Missouri. Geological Survey of the State of Missouri.

Annual Reports I., II., and IV. By G. C. Swallow. (Nos. I. & II. in duplicate.) 8vo. *Jefferson City*, 1855–59.

Reports, 1855–1871. By G. C. Broadhead, F. B. Meek, and B. F. Shumard. 8vo. *Jefferson City*, 1873.

Report, including Field-work of 1873–1874. By G. C. Broadhead, State Geologist. 8vo. *Jefferson City*, 1874.

Report (Preliminary) on the Iron Ores and Coal-fields, from the Field-work of 1872. 8vo. *New York*, 1873.

Report (Geological) of the Country along the line of the Southwestern branch of the Pacific Railroad, State of Missouri. 8vo. *St. Louis*, 1859.

Nebraska. See Wisconsin.

New Brunswick. Geological Survey of New Brunswick.

Reports I.–IV. By Abraham Gesner. 8vo. *St. John*, 1839–42.

Report (Preliminary) on the Geology of New Brunswick, together with a special Report on the distribution of the "Quebec Group" in the Province. By H. Y. Hind. 8vo. *Fredericton*, 1865.

Newfoundland. Geological Survey of Newfoundland.

General Report of the . . . Survey . . . executed during the years 1839 and 1840. By J. B. Jukes. (Tract.) 8vo. *London*, 1843.

Newfoundland. Geological Survey of Newfoundland.
Reports [of progress] for the years 1869, 1871–1874, and 1876–1878 (the last accompanied by a Report of Trigonometrical Survey of Notre Dame Bay in 1877–78, by J. P. Howley). By A. Murray. (Tracts.) 8vo. *St. John's, N. F.*, 1870–79.

New Hampshire. Geological Survey of the State of New Hampshire.
Annual Report, No. 1. By C. T. Jackson. (Tract.) 8vo. *Concord, N. H.*, 1841.
Report (Final) on the Geology and Mineralogy. By Charles T. Jackson. 4to. *Concord, N. H.*, 1844.
Report for the year 1870. By C. H. Hitchcock. 8vo. *Nashua*, 1871.
The Geology of New Hampshire. A Report comprising the results of Explorations ordered by the Legislature. By C. H. Hitchcock, J. H. Huntingdon, W. Upham, and G. W. Hawes. Vols. I.–IV. 8vo. *Concord*, 1874–78.
Atlas accompanying the Report on the Geology. By C. H. Hitchcock. Fol. *New York*, 1878.

New Jersey. Geological Survey of the State of New Jersey.
Annual Reports of the State Geologist (G. H. Cook) for 1869, 1874, and 1877–1879. 8vo. *Trenton, N. J.*, 1870–79.
Description of the Geology of the State. Final Report. By H. D. Rogers. 8vo. *Philadelphia*, 1840.
Geology of New Jersey. By G. H. Cook. 8vo. *Newark*, 1868.
Report on the Clay Deposits of Woodbridge, South Amboy, and other places in New Jersey. By G. H. Cook. 8vo. *Trenton, N. J.*, 1878.

New South Wales. Geological Surveys. See REPORTS, COLONIAL, ETC. New South Wales.

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Reports, 1837–1840. 8vo. *New York*, 1837–40.
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New York. Natural History of New York (*afterwards* issued by the Geological Survey of New York).
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Part III. Mineralogy. By L. C. Beck. 1 vol. 4to. *New York*, 1842.
Part IV. Geology. By W. W. Mather, E. Emmons, L. Vanuxem, and James Hall. 4 vols. 4to. *New York*, 1843.
Part V. Agriculture. By E. Emmons. 4 vols. and plates. 4to. *New York*, 1851–54.
Part VI. Palæontology. By James Hall. 4 vols and plates. 4to. *Albany*, 1847–67.

New Zealand. Colonial Museum and Laboratory of the Geological Survey of New Zealand.
Catalogue of the Museum. 8vo. *Wellington*, 1870.
Reports, 1866–67 etc. 8vo. *Wellington*, 1867 *etc.*

New Zealand. Geological Survey of New Zealand.

A Volume [8vo. *Wellington*, 1866–69], without titlepage, having the following "Table of Contents":—

Hector (J.). First General Report on Coal-deposits of New Zealand. 1866.

Hutton (F. W.). Geological Report on the Lower Waikato District. 1867.

——. Geological Report on the Thames Gold-field. 1867.

Reports of Progress for 1866–67 and 1868–69 &c. 1867–1869.

Meteorological Report. Abstract of all Returns for New Zealand prior to 1868. 1869.

Extracts from "New-Zealand Exhibition, Jurors' Report," 1865.

——, 1866.

Abstract Report on the progress of the ... Survey ... during 1866–67. (Tract.) Fol. *Wellington*, 1867.

CATALOGUES:—

Cox (Dr.) and Scott (A. W.). Land Mollusca of New Zealand, with descriptions of the species. 8vo. *Wellington*, 1873.

Hutton (F. W.). Echinodermata of New Zealand, with diagnoses of the species. 8vo. *Wellington*, 1872.

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——. Tertiary Mollusca and Echinodermata of New Zealand, in the collection of the Colonial Museum. 8vo. *Wellington*, 1873.

Martens (E. von). Mollusca of New Zealand contained in European collections, with reference to descriptions, etc. 8vo. *Wellington*, 1873.

Map of the Buller Coal Field, by W. M. Cooper. Fol. *Wellington*, 1876.

Reports of Geological Explorations, 1870 etc. 8vo. *Wellington*, 1871 *etc.*

New Zealand. See REPORTS, COLONIAL, ETC. New Zealand.

Ohio. Geological Survey of the State of Ohio.

Annual Reports I. & II. By W. W. Mather, etc. (Tracts.) 8vo. *Columbus*, 1837.

Reports of Progress in 1869 and 1870 (including reports by J. S. Newberry, E. B. Andrews, E. Orton, J. H. Klippart, T. G. Wormley, G. K. Gilbert, M. C. Read, Henry Newton, and W. B. Potter). 2 vols. 8vo. *Columbus*, 1871.

Report, by J. S. Newberry, etc. Geology and Palæontology. Vol. I. part 2, Vol. II. parts 1 & 2, Vol. III. part 1. 8vo. *Columbus*, 1873–78.

Oregon. See CALIFORNIA.

Pennsylvania. Geological Exploration of the State of Pennsylvania.

Annual Reports I.–V. (II. & III. 3 copies, IV. & V. 2 copies). By H. D. Rogers. 8vo. *Harrisburg*, 1836–41.

The Geology of Pennsylvania. A Government Survey. By H. D. Rogers. 4 vols., text and atlas. 4to. *London* and *Philadelphia*, 1843.

Pennsylvania. Second Geological Survey of Pennsylvania.

Report of Progress in the Green and Washington District of the Bituminous Coal-fields of Western Pennsylvania. By J. J. Stevenson. 8vo. *Harrisburg*, 1876.

Report of Progress in the Fayette and Westmoreland District of the Bituminous Coal-fields of Western Pennsylvania. By J. J. Stevenson. Parts I. & II. 2 vols. 8vo. *Harrisburg*, 1877–78.

Portugal. Commissão Geologica de Portugal.

Da existencia do homern no nosso solo en tempos mui remotos provada pelo estudo das cavernas. Primeiro opusculo. Noticia ácerca das grutas da Cesareda por J. F. N. Delgado, com a versão em franceza por M. Dalhunty. 4to. *Lisbon*, 1867.

Descripção do terreno quaternario das bacias dos Rios Tejo e Sado, por Carlos Ribeiro, com a versão franceza por M. Dalhunty. 4to. *Lisbon*, 1866.

Memoria Geologica sobre os terrenos de Curral-Alto, e Sêrro do Roque na Provincia de S. Pedro do Sul, por F. A. de V. A. Pereira Cabral. 8vo. *Porto Alegre*, 1851.

Flora fossil do terreno carbonifero das visinhanças do Porto, Serra do Bussaco, e Moinho d'Ordem proximo a Alcacer do Sal, por B. A. Gomes. (Tract.) 4to. *Lisbon*, 1865.

Prussia. Königliche Oberbergamt (Preussens).

Einleitende Bemerkungen zu der geologischen Specialkarte, etc. (Tract.) 8vo. *Berlin*, 1870.

Abhandlungen zur geologischen Specialkarte von Preussen und den thüringischen Staaten. Band I. u. II. Text and Atlas. 4to. *Berlin*, 1872–78.

Erläuterungen zur geologischen Specialkarte, etc. Nos. 4–6, 11, 12, 16, 17, 18, 22, 23, 24, 28, 29, 30, 38–42, 44–47, 51–53, 58, 59, 237–239, 245, 246, 255–257, 263, 274–276, 295–297, 327–330, 341–344 und 357–360. (Tracts.) 8vo. *Berlin*, 1870 *etc.*

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Bowen River Coal-fields. (Tract.) Fol. *Brisbane*, 1879.

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Report on the Geology and Mineral Resources of the District between Charters Towers Gold-fields and the Coast. By R. L. Jack. 4to. *Brisbane*, 1879

Report on the Bowen River Coal-field. By R. L. Jack. Fol. *Brisbane*, 1872.

Rhode Island. Geological and Agricultural Survey of the State of Rhode Island. Report, by C. T. Jackson.
8vo. *Providence*, 1840.

Saxony. Geologische Landesuntersuchung des Königreiches Sachsen.
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——. ——. Part 2. The Geology of Eastern Berwickshire. By Archibald Geikie (Memoir on Map 34). 1863.
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——: ——, i skalen 1:200,000. Nos. 1–5. 8vo. *Stockholm*, 1877–79.

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Müller, Albert. Geognostiche Skizze des Kantons Basel. 4to. *Neufchatel*, 1862.
Theobald, G. Geologischen Beschreibung von Graubünden. 4to. *Berne*, 1864–66.
Mösch, Casimar. Der Aargauer-Jura und die nördlichen Gebiete des Kantons Zürich. 4to. *Berne*, 1867.
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Greppin. Jean Baptiste. Description géologique du Jura bernois. 4to. *Berne*, 1870.
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Fritsch, Karl von. Das St. Gotthardgebirge. 4to. *Berne*, 1873.

Tasmania. Geological Surveys. See REPORTS, COLONIAL, ETC. Tasmania.

Tennessee. Geological Survey of the State of Tennessee.
Geological Reports, V.–VI., 1839–1841. By G. Troost. (Fifth report in duplicate.) (Tracts.) 8vo. *Nashville*, 1840–41.

United States. Exploring Expedition. Exploration of the Colorado River of the West and its tributaries. Explored in 1869, 1870, 1871, and 1872, under the direction of (J. W. Powell) the Secretary of the Smithsonian Institution. 4to. *Washington*, 1875.
——, 1873. 8vo. *Washington*, 1874.

United States. Explorations and Surveys for a Railroad Route from the Mississippi River to the Pacific Ocean.
Reports of Explorations and Surveys to ascertain the most practicable and economical route from the Mississippi River to the Pacific Ocean. Vols. I.–XII. 13 vols. 4to. *Washington*, 1855–60.
Reports . . . by W. P. Blake, T. Antisell, J. S. Newberry, and T. A. Conrad. 4to. *Washington*, 1856.

United States. Explorations and Surveys for a Railroad Route from the Mississippi River to the Pacific Ocean.

Reports on the Geology, Botany, and Zoology of Northern California and Oregon, by J. S. Newberry.
4to. *Washington*, 1857.

United States. Exploration of the Yellowstone and Missouri Rivers. Geological Report, by F. V. Hayden. 1859–60.
8vo. *Washington*, 1869.

United States. Exploring Expedition from Santa Fé, etc.

Report of the Exploring Expedition from Santa Fé, New Mexico, to the junction of the Grand and Green Rivers of the Great Colorado of the West, in 1859, under the command of Capt. J. N. Macomb, with geological report by J. S. Newberry.
4to. *Washington*, 1876.

United States. Geographical and Geological Explorations and Surveys west of the 100th meridian, in charge of G. M. Wheeler, under the direction of A. A. Humphreys.

Annual Report, by G. M. Wheeler. 8vo. *Washington*, 1875.

Report, Vol. III.; Part 2, Vol. IV.; and Part 4, Vol. III.? 3 vols.
4to. *Washington*, 1875–77.

United States. Geographical and Geological Surveys west of the Mississippi.

Report. (Tract.) 8vo. *Washington*, 1874.

United States. Geological Exploration of the Fortieth Parallel.

Report. Vols. II.–VI., containing Descriptive Geology, by A. Hague and S. F. Emmons; Mining Industry, by J. D. Hague, with geological contributions by C. King; Palæontology and Ornithology, by F. B. Meek, J. Hall, R. P. Whitfield, and R. Ridgway; Botany, by S. Watson and D. C. Eaton; and Microscopical Petrography, by F. Zirkel. 5 vols. and atlas.
4to. *Washington*, 1876–77.

Systematic Geology, by C. King. 4to. *Washington*, 1871.

Geological and Topographical Atlas, by C. King.
Fol. *New York*, 1876.

United States. United States and Mexican Boundary Survey, by W. H. Emory.

Report. Vol. I. Part 2. Geological Reports of Dr. C. C. Parry and A. Schott. Notes by W. H. Emory. Palæontology and Geology . . . by J. Hall. Description of Cretaceous and Tertiary Fossils, by T. A. Conrad. 4to. *Washington*, 1857.

United States. United States Coast Survey.

Reports of Progress . . . by the Superintendent (A. D. Bache), for the years ending 1847–49 and 1853–60.
8vo. and 4to. *Washington*, 1847–61.

Second volume of the principal Documents relating to the Survey . . . from October, 1834, to November, 1835, by F. R. Hassler.
8vo. *New York*, 1835.

United States. United States Geological and Geographical Survey of the Territories.

Annual Reports 1–11, 1867–1877, by F. V. Hayden, with supplement to the 5th Report, 1871.—Report on the Fossil Flora, by Leo Lesquereux. 8vo. *Washington*, 1872–79.

United States. United States Geological and Geographical Survey of the Territories.

Bulletin. Vols. I.–IV. 8vo. *Washington*, 1874–78.

Catalogue of the Publications. 8vo. *Washington*, 1874.

——. 2nd edition. 8vo. *Washington*, 1877.

——. 3rd edition. 8vo. *Washington*, 1879.

Entomological Commission. First Annual Report, for the year 1877, relating to the Rocky Mountain Locust, etc. 8vo. *Washington*, 1878.

——. Bulletin. Nos. 1 & 2. 8vo. *Washington*, 1877.

Letter from the Secretary of the Interior relative to an appropriation for the expenses of continuing the Geological Survey of the Territories during the ensuing fiscal year. 8vo. *Washington*, 1872.

United States Geological Survey of Colorado and New Mexico. Preliminary Field Report, by F. V. Hayden. 8vo. *Washington*, 1869.

Geological and Geographical Atlas of Colorado, and portions of adjacent Territory, by F. V. Hayden. Fol. *New York*, 1877.

Miscellaneous Publications. 8vo. *Washington*, 1873 *etc.*

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——. 4th edition. 2 copies. 1877.

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Preliminary Reports of the Field-work for the seasons 1877–1878. 8vo. *Washington*, 1877–78.

United States. United States Geological and Geographical Survey of the Territories.

Profiles, Sections and other Illustrations. By H. W. Elliot. 4to. *New York*, 1872.

Reports, Vols. I., II., VI., VII., IX.–XI., and plates to the unpublished Vol. VIII. 4to. *Washington*, 1873–78.

Vol. I. Contributions to the Extinct Vertebrate Fauna of the Western Territories. By Joseph Leidy. 1873.

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Vol. XI. Monographs of North-American Rodentia. By Elliott Coues and J. A. Allen. 1877.

Report of Professor Hayden. (Tract.) 8vo. *Washington*, 1878.

United States. United States Geographical and Geological Survey of the Rocky Mountain region (J. W. Powell in charge).

Report on the Geology of the Henry Mountains. By G. K. Gilbert. 4to. *Washington*, 1877.

United States. United States Topographical Survey.

A Report upon the Military and Hydrographical Chart of the extremity of Cape Cod, etc., projected from surveys executed during portions of the years 1833, 1834, and 1835, under the direction of J. D. Graham. Fol. *Washington*, 1838.

Vermont. Geological Survey of the State of Vermont.

Annual Reports I.–IV. (the last imperfect). By C. B. Adams. 8vo. *Burlington*, 1845–47.

Report on the Geology of Vermont. By E. Hitchcock, A. D. Hager, E. Hitchcock, jun., and C. H. Hitchcock. 2 vols. 4to. *Claremont, N. H.*, 1861.

Victoria. Geological Survey of Victoria.

Notes and Observations on the Nuggetty Reef, Maldon (Quarto sheet 14 N.W.). By G. H. F. Ulrich. (Tract.) 8vo. *Melbourne.*

Observations on New Vegetable Fossils of the Auriferous Drifts. By F. von Müller. 8vo. *Melbourne* and *London*, 1874.

Prodromus of the Palæontology of Victoria; or figures and descriptions of Victorian Organic Remains. By F. M'Coy. Decades I.–VI. (V. in duplicate). 8vo. *Melbourne*, 1874–79.

Reports of Progress, 1873–1878. By R. Brough Smyth. 8vo. *Melbourne*, 1874–78.

See REPORTS, COLONIAL, ETC. Victoria.

Virginia. Geological Survey of the State of Virginia.

Report of the Geological Reconnaissance of the State of Virginia. By W. B. Rogers. 8vo. *Philadelphia*, 1836.

Reports of Progress, 1839–1840 (the latter in duplicate). By W. B. Rogers. 8vo. *Richmond*, 1840–41.

West Indies. Geological Survey of the West Indies.
Jamaica, by J. G. Sawkins and C. B. Brown; with an appendix upon the Palæontology of the Carribean Area, by R. Etheridge. 2 copies. 8vo. *London*, 1869.
Trinidad, by G. P. Wall and J. G. Sawkins. 8vo. *London*, 1860.

Wisconsin. Geological Survey of the State of Wisconsin.
Annual Report, by J. G. Percival. (Tract.) 8vo. *Madison*, 1856.
Reports by J. Hall and J. D. Whitney. 2 vols. (vol. I. in duplicate). 8vo. *New York*, 1862–77.

Wisconsin, etc. Geological Survey of the States of Wisconsin, Iowa, and Minnesota, including a portion of the Nebraska territory.
Report, by D. D. Owen, with Atlas. 4to. *Philadelphia*, 1852.

——. See IOWA ETC.

Susani (Guido). Rapporto . . . della Commissione incaricata di assistere agli esperimenti eseguiti dal Paolo Gorini. (Tract.) Fol. *Milan*, 1852.

Sussex (*Duke of*). Address delivered at the Anniversary Meeting of the Royal Society, November 1833. (Tract.) 4to. *London*, 1833.

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Svedenstjerna (Eric Th.). Resa, igenom en del af England och Skottland, åren 1802 och 1803. 8vo. *Stockholm*, 1804.

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Swammerdam (Jean). Swammerdam's Book of Nature; or History of Insects. Incomplete. (Tract.) 8vo. *London*, 1848–49.

Swedenborg (Emanuel). Miscellanea observata circa res naturales et præsertim circa Mineralia, Ignem et Montium Strata. 8vo. *Leipzig*, 1722.

——. Opera philosophica et mineralia. 3 vols. Fol. *Dresden* and *Leipzig*, 1734.

Swedenborg (Emanuel). The Economy of the Animal Kingdom, considered anatomically, physically, and philosophically. Translated by A. Clissold. 2 vols. 8vo. *London*, 1845–46.

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Sydow (Albrecht von). Bemerkungen auf einer Reise im Jahre 1827 durch die Beskiden über Krakau und Wieliczka nach den Central-Karpathen. 8vo. *Berlin*, 1830.

Sykes (W. H.). A Catalogue of the Mammalia and Birds observed in Dukhun, East Indies. (Tract.) 8vo. *London*, 1832.

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Syria. Report and Memorial on the Syrian Exploration. [American Geographical and Statistical Society.] (Tract.)
8vo. *New York*, 1857.

Szabó (Jozsef). Egy continentalis Emelkedés és Sülyedésröl Európa délkeleti részén. (Tract.) 2 copies. 4to. *Pesth*, 1862.

T.

T * * * Catalogue des livres de *sa* bibliothèque. (Tract.) 8vo. *Paris*, 1834.

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Taitbout de Marigny. See Admiralty Publications.

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Targioni-Tozzetti (Giovanni). Relazioni d'alcuni viaggi fatti in diverse parti della Toscana, etc. 2ª edit. 12 vols. 8vo. *Florence*, 1768–79.

——. Voyage minéralogique, philosophique et historique, en Toscane. 2 vols. 8vo. *Paris*, 1792.

Tasche (H.). See Surveys: Hesse.

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Taube (J.). Beiträge zur Naturkunde des Herzogthums Zeller. 1er Band. 8vo. *Zelle*, 1766.

Tawney (E. B.). Geological Papers contributed to Scientific Journals, 1866–1878. 8vo. *London*, &c., 1866–78.

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——. See Serials etc.: London. Hardwicke's Science Gossip.

Taylor (Richard). Two Reports on the Coal Lands, Mines, and Improvements of the Dauphin and Susquehanna Coal Company, etc. 8vo. *Philadelphia*, 1840.

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——. Statistics of Coal. 8vo. *Philadelphia*, 1848.

——. ——. (Tract.) 8vo. *Edinburgh*, 1849.

Taylor *alias* **Domville** (Silas). See DALE (Samuel).

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——. Etudes sur la végétation des hautes montagnes de l'Asie Mineure et de l'Arménie. (Tract.) 8vo. *Paris*, 1857.

——. Le Bosphore et Constantinople, avec perspectives des pays limitrophes. 8vo. *Paris*, 1864.

——. Une page sur l'Orient. 8vo. *Paris*, 1868.

——. Considérations géologiques sur les îles océaniques. (Tract.) 8vo. *Paris*, 1877 [dated 1878].

Teale (James). Dynamical Theory of the Universe. (Tract.) 8vo. *Manchester*, 1868.

Tees, Tyne, and Wear, Industrial Resources of the. See ARMSTRONG (W. G.).

Telvenburg (Josef von Trentinaglia-). See TRENTINAGLIA-TELVENBURG (Josef von).

Temple (Frederick). The Present Relations of Science to Religion—a Sermon. (Tract.) 8vo. *Oxford* and *London*, 1860.

Tenison-Woods (J. E.). See WOODS (J. E. Tenison-).

Tennant (James). Stratigraphical List of British Fossils, arranged under the principal divisions of the British strata, with a few elementary remarks on their character and localities. 8vo. *London*, 1847.

——. Catalogue of Fossils found in the British Isles, forming the private collection of the author.

——. On Gems and Precious Stones. (Abstract.) (Tract.) 2 copies. 8vo. *London*, 1852.

——. A description of the Imperial State Crown. (Tract.) 8vo. *London*, 1858.

——. A descriptive Catalogue of Gems, Precious Stones, and Pearls bequeathed to the South Kensington Museum by the Rev. Chauncy Hare Townshend. (Tract.) 8vo. *London*, 1877.

—— and **Mitchell** (Walter). Mineralogy and Crystallography. 8vo. *London*, 1856.

Tennant (Smithson). On an easier method of procuring Potassium than that which is now adopted. (Tract.) 4to. *London*, 1814.

——. On the means of procuring a Double Distillation by the same Heat. (Tract.) 4to. *London*, 1814.

Tenore (M.). Mineralogia. Sopra quattro sostanze fossili della Majella. (Tract.) 8vo. *Naples*, 1838.

——. Antonii Bertoloni commentarius de itinere Neapolitano æstate anni 1834 suscepto. Bononiæ, 1837. Notice. (Tract.) 8vo.

——. See GUSSONE (Giov.).

Terquem (O.). Paléontologie du département de la Moselle. (Tract.) 8vo. *Metz*, 1855.

——. Recherches sur les Foraminifères de l'étage moyen et de l'étage inférieur du Lias. Mémoires II.–VI. 2 copies, part in triplicate. 8vo. *Metz*, 1862–66.

——. Premier mémoire sur les Foraminifères du système oolithique. 8vo. *Metz*, 1867.

—— and **Jourdy** (E.). Note sur le terrain bathonien de la Moselle et de la Meuse. (Tract.) 8vo. *Paris*, 1869.

Teutzelius (Wilhelm Ernst). Epistola de sceleto elephantino Tonnæ nuper effosso. (Tract.) 8vo. *Jena*, 1696.

Texas. Report of the Commissioner [J. J. Groos] of the General Land Office of the State. (Tract.) 8vo. *Houston*, 1876.

Texier (Charles). See HÉRICART DE THURY (L. E. T.).

Thackrah (Charles Turner). An Introductory Discourse delivered to the Leeds Philosophical and Literary Society, April 6, 1821. 4to. *Leeds*, 1821.

Thames Archway Company. Progress and State of the Tunnel under the Thames. (Tract.) Fol. *London*, 1809.

Thames Tunnel. An explanation of the works of the Thames Tunnel. 4to. *London*, 1838.

Thenard (L. J.). An essay on Chemical Analysis; chiefly translated from the fourth volume of the last edition of the 'Traité de Chimie élémentaire,' by J. G. Children. 8vo. *London*, 1819.

Theobald (G.). Geologische Beschreibung der nord-östlichen Gebirge von Graubünden, mit zwei Karten und Durchschnitten. 4to. *Nuremberg*, 1863.

——. Die Küstenseen in Südfrankreich. (Tract.) 8vo. *Hanau*, 1850.

——. See SURVEYS: HESSE AND SWITZERLAND.

—— and **Rössler** (C.). Uebersicht der wichtigsten geognostischen und oryctognostischen Vorkommnisse der Wetterau und der zunächst angrenzenden Gegenden. Mit Beiträgen von R. Ludwig und Fr. Sandberger. (Tract.) 8vo. *Hanau*, 1858.

Theobald (William). Catalogue of the Land- and Freshwater-Shells of British India. (Tract.) 4to. *Calcutta*, 1876.

——. Descriptive Catalogue of the Reptiles of British India. 8vo. *Calcutta*, 1876.

Theodori (Carl). Beschreibung des kolossalen *Ichthyosaurus trigonodon* in der Lokal-Petrefacten-Sammlung zu Banz. 4to. *Munich*, 1854.

Theophrastus. De Lapidibus. See BOETIUS DE BOOT (Anselm) and HILL (*Sir* John).

Thibert (Felix). Catalogue of *his* Collection of Models of Pathological Anatomy. (Tract.) 8vo. *London*, 1840.

Thiébaut de Berneaud (Arsenne). Voyage à l'Isle d'Elbe. 8vo. *Paris*, 1808.

Thielens (Armand). Relation de l'excursion faite par la Société malacologique de Belgique à Orp-le-Grand, Folz-les-Caves, Wansin et autres localités voisines. Suivi de la description de deux espèces nouvelles, par H. Nyst. (Tract.) 8vo. *Brussels*, 1872.

Thiersch (Fr. von). Rede zur Vorfeyer des hohen Geburtsfestes Sr. Majestät der Königs Maximilian des II. von Bayern, am 27. November 1852 gehalten, nebst einer Darstellung über das Leben und Wirken von J. A. Schmeller. (Tract.) 4to. *Munich*, 1853.

——. Rede zur Vorfeier des Geburtsfestes Seiner Majestät des Königs Maximilian II. (Tract.) 4to. *Munich*, 1859.

Thiollière (Victor). Description des Poissons Fossiles provenant des gisements coralliennes du Jura dans le Bugey. 1e Livr. Fol. *Paris*, *Lyons*, and *Strasburg*, 1854.

Thirria (E.). Statistique minéralogique du département de la Haute-Saône. 8vo. *Besançon*, 1833.

Thomä (Carl). Der vulkanische Roderberg bei Bonn, geognostische Beschreibung seines Kraters und seiner Umgebungen. Mit einem Vorworte von J. Nöggerath. (Tract.) 8vo. *Bonn*, 1835.

——. See SERIALS etc.: WIESBADEN. Verein für Naturkunde im Herzogthum Nassau.

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Thomas (J. W.). A Treatise on Coal, Mine-gases, and Ventilation, with copies of researches on the Gases enclosed in Coal, &c. 8vo. *London*, 1878.

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——. Report on a Survey of the Mining District of Cornwall, from Chasewater to Camborne. (Tract.) 4to. *London*, 1819.

Thomson (Charles). See DICTIONARIES, Italian and English.

Thomson (*Sir* Charles Wyville). On a new Palæozoic group of Echinodermata. (Tract.) 8vo. *Edinburgh*, 1861.

——. [Joint Meeting of the Natural History and Philosophical Society and the Naturalists' Field Club, at the Belfast Museum.] Opening Address, 1869. (Tract.) 4to. *Belfast*, 1869.

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——. The Voyage of the 'Challenger.' The Atlantic, a preliminary account of the general results of the exploring voyage of H.M.S. 'Challenger,' 1873 and 1876. 2 vols. 8vo. *London*, 1877.

——. See 'CHALLENGER' EXPEDITION and 'PORCUPINE' EXPEDITION.

Thomson (Edmund P.). On the discovery of Selenium in the Sulphuric Acid made from the Pyrites of Anglesey. (Tract.) 8vo. *London*, 1825.

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——. On the genus *Cyathaxonia* and several new species from the Carboniferous Limestone of Scotland. (Tract.) 8vo. *Glasgow*, 1878.

——. See DUNCAN (Peter Martin).

Thomson (J. Badford). Pelton's illustrated guide to Tunbridge Wells. 8vo. *Tunbridge Wells*, 1875.

Thomson (Murray). See SMITH (John Alexander).

Thomson (Robert Dundas). See WATER SUPPLY (London).

Thomson (Thomas). A System of Chemistry. 2nd edition. 4 vols. 8vo. *Edinburgh*, 1804.

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——. Outlines of Mineralogy, Geology, and Mineral Analysis. 2 vols. 8vo. *London*, 1836.

Thomson (Thomas). A System of Chemistry. 5th edition. 4 vols. 8vo. *London*, 1817.

——. See Hooker (*Sir* Joseph Dalton).

Thomson (*Sir* William). On Geological Time. (Tract.) 8vo. *Glasgow*, 1871.

Thomson (William), *Archbishop of York*. See Serials etc.: Leeds. Philosophical and Literary Society.

Thorburn (Richard). See Admiralty Publications.

Thoré (—). See Paris to Brest. Profil géologique, suivant le tracé du chemin de fer.

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Thouars (A. A. Dupetit-). See Dupetit-Thouars (A. A.).

Thurmann (Jules). Essai sur les soulèvemens jurassiques du Porrentruy. 4to. *Paris*, *Strasburg*, and *Brussels*, 1832.

——. ——. Second cahier. 2 copies. 4to. *Porrentruy*, 1836.

——. Essai de phytostatique appliqué à la chaîne du Jura et aux contrées voisines. 2 vols. 8vo. *Bonn*, 1849.

——. Essai d'orographie jurassique. [Œuvre posthume.] (Tract.) 4to. *Geneva*, 1856–57.

—— and **Etallon** (A.). Lethæa Bruntrutata, ou études paléontologiques et stratigraphiques sur le Jura bernois. 4to. *Zurich*, 1861.

Thurnfeld (Ferdinand von). Biographical Notice. See Haidinger (Wilhelm von).

Thury (L. E. T. Héricart de-). See Héricart-de-Thury (L. E. T.).

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——. See Rosenmüller (J. C.).

Tilley (Thomas George). An Inaugural Lecture on Chemistry, read in the Queen's College, Birmingham, 1844. (Tract.) 8vo. *Birmingham*, 1844.

Timins (J. H.). On the Chemical Geology of the Malvern Hills. (Tract.) 8vo. *Edinburgh*, 1862.

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——. The Geology of the Weald. See Surveys: England and Wales.

——. See Foster (C. Le Neve).

Torell (Otto). Bidrag till Spitzbergens molluskfauna. 8vo. *Stockholm*, 1859.

——. See Surveys: Sweden.

Torfino de San Miguel (Vicente). España maritima, or Spanish Coasting Pilot, containing directions for navigating the coasts and harbours of Spain in the Atlantic and Mediterranean, with the Balearic Islands and coast of Portugal. Translated from the Spanish by John Dougall, 4to. *London*, 1812.

Torio (Andrea de). Real Museo Borbonico. Officina de' papiri. (Tract.) 8vo. *Naples*, 1825.

Törnebohm (A. E.). See Surveys: Sweden.

Toronto Meteorological Observatory. Observations made at the Magnetical and Meteorological Observatory at Toronto, in Canada. Printed under the superintendence of Edward Sabine. Vols. I.–III. 4to. *London*, 1845–57.

Torrey (John). An Account of the Columbite of Haddam, Connecticut. (Tract.) 8vo. *New York*, 1824.

——. See Red River and Surveys: New York. Natural History of New York.

Torrubia (Joseph). Vorbereitung zur Naturgeschichte von Spanien; aus dem Spanischen übersetzt von C. G. von Murr. 4to. *Halle*, 1773.

Toscan (G.). See Spallanzani (L.).

Toscani (C.). See Campani (G.)

Totten (Joseph G.). [On deepening the channel at the mouth of the Mississippi River.] (Tract.) 8vo. *Washington*, 1840.

Toula (Franz). Eine Kohlenkalk-Fauna von den Barents-Inseln. (Tract.) 8vo. *Vienna*, 1875.

——. Permo-Carbon-Fossilien von der Westküste von Spitzbergen (Belsund, Cap Staratschin, Nordfjord) gesammelt von Dr. Richard von Drasche. (Tract.) 8vo. *Stuttgart*, 1875.

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Tourrette (*Dr.*). Memoir concerning the acidulous, gaseous, bicarbonated, sodaic waters of Vals, Ardèche. (Tract). 8vo. *Paris*, 1865.

Toussaint (—). Manuel d'Architecture, ou traité de l'art de bâtir. 12mo. *Paris*, 1828.

Townshend (Chauncy Hare). Bequest of Gems, etc. to the South Kensington Museum. See Tennant (James).

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——. ——. 2me édition. 8vo. *Lausanne*, 1877.

Traill (George William). An elementary treatise on Quartz and Opal. 8vo. *Edinburgh*, 1867.

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——. Report on the Geology of the Coast Mountains; embracing their agricultural resources and mineral productions; also portions of the middle and northern mining-districts. (Tract.) 8vo. *Washington*, 1855.

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Trautschold (H.). Ueber den Korallenkalk des russischen Jura. (Tract.) 8vo. *Moscow*, 1862.

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Trebra (Friedrich Wilhelm Hendrik von). Erfahrungen vom Innern der Gebirge. Fol. *Dessau* and *Leipzig*, 1785.

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Trench (R.). See SURVEYS: ENGLAND AND WALES.

Trenkner (W.). Paläontologische Novitäten vom nordwestlichen Harze. 2te Abtheilung: Spiriferensandstein, Calceolaschiefer, Wissenbacher Schiefer und Cypridinenschiefer. (Tract.) 4to. *Halle*, 1868.

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——. Mikroskopische Unterscheidung der Mineralien aus der Augit-, Amphibol- und Biotitgruppe. (Tract.) 8vo. *Vienna*, 1869.

——. Die Bildung der Meteoriten und der Vulkanismus. (Tract.) 8vo. *Vienna*, 1875.

Tschudi (J. J.). Classification der Batrachier, mit Berücksichtigung der fossilen Thiere dieser Abtheilung der Reptilien. 4to. *Neufchatel*, 1837.

Tuckey (James Kingston). Narrative of an expedition to explore the River Zaire, usually called the Congo, in South Africa, in 1816. To which is added the Journal of Prof. Smith. 4to. *London*, 1818.

Tulk (Alfred). See Oken (Lorenz) and Wagner (J. A.).

Tuomey (M.) and **Holmes** (F. S.). Fossils of South Carolina. Nos. 1–15 (No. 8 missing). 4to. *Charleston*, 1855–56.

——. See Surveys: Alabama.

Turin. Regio Osservatorio. Catalogo delle Leoneidi o stelle meteoriche del periodo di Novembre osservate nel 1867 . . . dal Alessandro Dorna; [also] Effemeridi della luna calcolate per Torino in tempo medio civile di Roma per anno 1868 dal Giuseppe Mazzola. (Tract.) 4to. *Turin*, 1868.

Turner (Dawson). See Woodward (Samuel).

Turner (Edward). Elements of Chemistry, including the recent discoveries and doctrines of the science. 3rd edition. 8vo. *London*, 1831.

——. ——. 4th edition. 8vo. *London*, 1833.

——. ——. 5th edition. 8vo. *London*, 1834.

——. ——. 6th edition, including the actual state and prevalent doctrines of the science. Edited by J. Liebig, W. G. Turner, and W. Gregory. 8vo. *London*, 1842.

——. ——. 7th edition. Edited by Justus Liebig and William Gregory. 8vo. *London*, 1840.

Turner (H. N., Jun.). On the evidences of Affinity afforded by the Skull in the Ungulate Mammalia. (Tract.) 8vo. *London*, 1850.

Turner (W. W.). See Red River.

Turton (William). See Linné (Carolus a).

Twemlow (George). The Old Chalk-Ocean Cemetery. "Printed but not Published." MS. Additions. No date.

Tylor (Alfred). On Changes of the Sea-level effected by existing physical causes during stated periods of time. (Tract.) 8vo. *London*, 1853.

——. Report on Class XXXI. [International Exhibition, 1862]. Manufactures in Iron, Copper, &c., and general Hardware. (Tract.) 4to. *London*, 1862.

——. Industrie und Schule. Mittheilungen aus England. Auf Veranlassung der königl. württemb. Centralstelle für Gewerbe und Handel, deutsch bearbeitet von D. Bernhard v. Engler. 8vo. *Stuttgart*, 1865.

——. On the Formation of Deltas; and on the evidence and cause of great changes in the Sea-level during the Glacial period. 8vo. *London*, 1868–72.

——. See Exhibition of 1857.

Tylor (Edward B.). Anahuac, or Mexico and the Mexicans, ancient and modern. 8vo. *London*, 1861.

——. Researches into the early History of Mankind, and the development of Civilization. 8vo. *London*, 1865.

Tyndall (John). Comparative view of the Cleavage of Crystals and Slate Rocks. (Tract.) 8vo. *London*, 1856.

——. On some Physical Properties of Ice. (Tract.) 4to. *London*, 1857.

——. On the Physical Phenomena of Glaciers. Part I. Observations on the Mer-de-Glace. (Tract.) 4to. *London*, 1858.

——. On the Mer-de-Glace. (Tract.) 8vo. *London*, 1858.

——. On the Veined Structure of Glaciers; with observations upon white ice-seams, air-bubbles, and dirt-bands, and remarks upon glacier theories. (Tract.) 4to. *London*, 1859.

——. Heat a mode of Motion. 4th edition. 8vo. *London*, 1870.

—— and **Huxley** (Thomas Henry). On the Structure and Motion of Glaciers. (Tract.) 4to. *London*, 1857.

Tyne, Wear, and Tees. Industrial Resources. See Armstrong (W. G.).

Tyrol and Vorarlberg. Verzeichniss der seit dem Jahre 1814 erschienenen Druckschriften über Tyrol und Vorarlberg. (Tract.) 8vo. *Innsbruck*, 1826?

Tyson (Philip T.). First Report (as) State Agricultural Chemist, to the House of Delegates of Maryland, 1860. (Tract.) 8vo. *Annapolis*, 1860.

——. See California.

Tytler (William Fraser). Notice respecting the Journey to the Sources of the Jumna and the Ganges. (Tract.) 8vo. *Edinburgh*, 1819.

U.

Ubaldini (G.). See Luca (S. de).

Uhde (Charles). Catalogue des objets formant son Musée Aztéco-mexicain. (Tract.) 8vo. *Paris*, 1857.

Uhler (P. R.). Report upon the Insects collected by P. R. Uhler during the Explorations of 1875, including Monographs of the families Cydnidæ and Saldæ, and the Hemiptera collected by A. S. Packard, jun. (Tract.) 8vo. *Washington*, 1877.

——. ——. Continuation of the Report. (Tract.) 8vo. *Washington*, 1877.

Ullmann (Johann Christoph). Mineralogische, berg- und hütteänmnnische Beobachtungen über die Gebirge, Grubenbaue und Hüttenwerke der hessen-casselischen Landschaft an der Edder. 8vo. *Marburg*, 1803.

Ulrich (George H. F.). Contributions to the Mineralogy of Victoria. (Tract.) 2 copies. 8vo. *Melbourne*, 1870.

——. Descriptive Catalogue of the specimens in the Industrial and Technological Museum, Melbourne, illustrating the Rock System of Victoria. 8vo. *Melbourne*, 1875.

——. Report on the Auriferous Quartz Reefs and Crushing Machines of the Province of Otago, New Zealand, with Remarks on Auriferous Drifts and Occurrences of Copper Ore, Cinnabar, Grey Antimony, and Brown Coal in different parts of the Province. (Tract.) Fol. *Melbourne*, 1875.

——. Die Zukunft der Goldausbeute in Australien. (Tract.) 8vo. *Stuttgart*, 1879.

——. See Hutton (F. W.), Selwyn (Alfred R. C.), Studer (G.), and Surveys: Victoria.

Ulrichs (H. N.). Topography of the harbours, and position of the long walls of Athens; translated from the Modern Greek, and collated with the German version by Ewing Pye Colquhoun. (Tract.) 8vo. *London*, 1847.

Unanúe (Hipólito). Observaciones sobre el clima de Lima, y sus influencias en los seres organizados, en especial el hombre. 2a edicion. 4to. *Madrid*, 1851.

Unger (Fr.). Synopsis Plantarum fossilium. 2 copies. 8vo. *Leipzig*, 1845.

——. Sylloge Plantarum fossilium. Sammlung fossiler Pflanzen besonders aus der Tertiärformation. 4to. *Vienna*, 1860.

——. See Novara Expedition.

United States. Department of Agriculture. Reports of the Commissioner of Agriculture for the years 1867–71 and 1873. 8vo. *Washington*, 1870–74.

——. ——. Monthly Reports of the Department of Agriculture for the years 1871–74. 8vo. *Washington*, 1872–75.

——. Department of the Interior. Annual Report of the Secretary for the year 1869. 8vo. *Washington*, 1869.

——. ——. Abstract of the Seventh Census (1851). Third edition. (Tract.) Fol. *Philadelphia*, 1851.

——. Exploring Expedition, during the years 1838, 1839, 1840, 1841, and 1842. Under the command of Charles Wilkes. Vol. X. Geology, by J. D. Dana, with a folio atlas of twenty-one plates. Vol. XV. The Geographical Distribution of Animals and Plants. By Charles Pickering. (Part I. Chronological observations on introduced Animals and Plants.) Fol. *Boston* and *London*, 1849–54.

——. Narrative of the United States Exploring Expedition during the years 1838–1842. By Charles Wilkes. 8vo. *New York*, 1856.

United States. Message from the President of the United States to the two Houses of Congress, at the commencement of the first session of the Thirty-first Congress, 1849. Parts I.–III. 3 vols. 8vo. *Washington*, 1849.

——. Naval Astronomical Expedition to the Southern Hemisphere during the years 1849–50–51–52. Lieut. J. M. Gilliss, Superintendent. Vols. I.–III. and VI. 4to. *Washington*, 1855–56.

——. Naval Observatory, Washington. Astronomical Observations made under the direction of M. F. Maury, during the year 1845. Vol. I. 4to. *Washington*, 1846.

——. Patent Office. Reports of the Commissioner of Patents for the years 1850, 1851, 1853–59, and 1861–71. (Incomplete.) 40 vols. 8vo. *Washington*, 1851–72.

——. Patent Office and Smithsonian Institution. Results of Meteorological Observations made from the year 1854 to 1859 inclusive. Vols. I. and II. part 1. 4to. *Washington*, 1861.

——. Statistical Report on the Sickness and Mortality in the Army of the United States, by Richard H. Coolidge. 4to. *Washington*, 1860.

——. Statistics of the Foreign and Domestic Commerce. March 12, 1863. 8vo. *Washington*, 1864.

——. Treasury Department. Annual Report of the Comptroller of the Currency [J. J. Knox] to the third Session of the Forty-fifth Congress. December 2, 1878. (Tract.) 8vo. *Washington*, 1878.

——. Annual report of the Comptroller of the Currency to the second Session of the 46th Congress. 8vo. *Washington*, 1879.

——. War Department. Reports of the Secretary of War, with Reconnaissances of routes from San Antonio to El Paso; also the Report of Capt. R. B. Marcy's route from Port Smith to Santa Fé; and the Report of Lieut. J. H. Simpson of an Expedition into the Navajo country, etc. 8vo. *Washington*, 1850.

——. ——. Report of the Secretary of War. (1866.) 8vo. *Washington*, 1866.

——. ——. Annual Report of the Chief Signal-Officer to the Secretary of War for the year 1872. 8vo. *Washington*, 1873.

—— and **British Provinces.** Catalogue of Official Reports upon Geological Surveys. (Tract.) 8vo. *New Haven*, 1867.

Unwin (George). Letters, Remarks, &c., with a view to open an extensive trade in the Article of Tin, from the County of Cornwall to India, Persia, and China. 8vo. *London*, 1790.

Upham (Warren). See HITCHCOCK (C. H.); and SURVEYS, NEW HAMPSHIRE.

Urdahl (H.). Om et electrisk phænomen. (Tract.) 8vo. *Christiania*, 1832–33.

Ure (Andrew). A new System of Geology, in which the Great Revolutions of the Earth and Animated Nature are reconciled at once to Modern Science and Sacred History. 8vo. *London*, 1829.

——. Dictionary of Arts, Manufactures, and Mines. 5th edition. 3 vols. 8vo. *London*, 1860.

——. Dr. Andrew Ure. A slight sketch, reprinted from 'The Times,' etc., of January, 1857. 12mo. *London*, 1875.

Ure (David). The History of Rutherglen and East Kilbride. 8vo. *Glasgow*, 1793.

Uricoechea (E.). See SERIALS: BOGOTÁ. Sociedad de Naturalistas Neo-Granadinos.

Usher (W.). See NOTT (J. C.).

Ussher (W. A. E.). The Post-tertiary Geology of Cornwall. (Tract.) 8vo. *Hertford*, 1879.

——. See SURVEYS: ENGLAND AND WALES.

Uttinger (—). Geognostische Bereisung der Alpe Mauriz. (Tract.) 8vo. *Innsbruck*, 1824.

Uzielli (G.). Conclusioni di una memoria sulle argille scagliose dell' Apennino. (Tract.) 8vo. *Rome*, 1879.

V.

Vagnon (Antoine). Notice sur le corindon rouge-jaunâtre de Traverselle, vallée de Brozzo, etc. (Tract.) 4to. *Turin*, 1813.

Valentin (G.). Anatomie des Echinodermes. Première Monographie: anatomie du genre *Echinus*. 4to. *Neufchatel*, 1841.

Valentin (Ph.). Manuel du charpentier, ou traité complet et simplifié de cet art. 12mo. *Paris*, 1827.

Vallisneri (Antonio). De' corpi marini che su' monti si trovano. 2nd edition. 4to. *Venice*, 1728.

'Valorous' Expedition. Papers by Dr. Gwyn Jeffreys and Dr. Carpenter. (Tract.) 8vo. *London*, 1876.

——. Reports by Dr. Gwyn Jeffreys and Dr. W. B. Carpenter. 8vo. *London*, 1876.

Vancouver Island. Exploration. (Report by Robert Brown.) (Tract.) 8vo. *Victoria, V. I.*, 1864.

Van den Broeck (Ernest). Aperçu sur la géologie des environs de Bruxelles. (Tract.) 8vo. *Lille*, 1876.

——. Seconde lettre sur quelques points de la géologie de Bruxelles, adressée à M. Ortlieb. (Tract.) 8vo. *Lille*, 1877.

—— and **Miller** (Henry). (Esquisse géologique et paléontologique des dépôts pliocènes des environs d'Anvers. 1re partie. Fascicule 1. Les Sables inférieurs d'Anvers.) Les Foraminifères des couches pliocènes de la Belgique. (Tract.) 8vo. *Brussels*, 1876.

Van der Hoeven (J.). Handbook of Zoology. Translated from the second Dutch edition by the Rev. William Clark. 2 vols. 8vo. *Cambridge* and *London*, 1856.

——. Catalogue de la célèbre collection de crânes provenant de J. van der H. (Tract.) 8vo. *Leyden*, 1875.

Van der Maelen (P.). Dictionnaire géographique des provinces de Liége, Flandre, Luxembourg, Hainaut, Namur, Limbourg. 5 vols. 8vo. *Brussels*, 1831.

——. Dictionnaire géographique du Limbourg. 2 vols. 8vo. *Brussels*, 1835.

——. See HEUSCHLING (Xavier); POTENTI (Giuseppe); and SERIALS, etc., BRUSSELS. Etablissement géographique.

Van der Wyck (H. J.). Uebersicht der rheinischen und Eifeler erloschenen Vulkane und der Erhebungs-Gebilde, etc. (Tract.) 8vo. *Bonn*, 1826.

Van Rensselaer (Jer.). An Essay on Salt, embracing a particular description of the American Salines. (Tract.) 8vo. *New York*, 1823.

Van Rensselaer (Stephen). A Geological and Agricultural Survey of the District adjoining the Erie Canal. Part I. containing a description of the rock formations. 8vo. *Albany*, 1824.

Vanuxem (Lardner). See SURVEYS: NEW YORK. Natural History of New York.

Van Voorst (John). Books published by *him*. (Tract.) 8vo. *London*, 1862.

Vargas (Juan Manuel). See RIVERO (Mariano Eduardo de).

Varley (D.). Rudimentary Treatise on Mineralogy. 3rd edition. To which is added a Treatise on Rocks or Mineral Aggregates, by James Dana. 12mo. *London*, 1856.

Vaughan (William). Memoir of William Vaughan, Esq., F.R.S., with miscellaneous pieces relative to Docks, Commerce, etc. (Autobiography.) 8vo. *London*, 1839.

Vauhello (— Le Saulnier de). See LE SAULNIER DE VAUHELLO (—).

Vauquelin (Louis Nicolas). Biography. See CHEVALLIER (J. B. A.).

Vautibault (— Gazeau de). See GAZEAU DE VAUTIBAULT (—).

Vaux (A. de). Statistique. Mines, minières, usines minéralurgiques et machines à vapeur. Compte rendu des deux dernières publications du département des travaux publics. (Tract.) 8vo. *Brussels*, 1855.

——. Etude des moyens propres à soustraire les ouvriers mineurs au danger d'asphyxie à la suite des coups de feu. (Tract.) 8vo. *Brussels*.

——. Note sur un ventilateur breveté en faveur de M. Struve. (Tract.) 8vo. *Brussels*.

Veith (Heinrich). Deutsches Bergwörterbuch mit Belegen. 8vo. *Breslau*, 1871.

Vélain (Charles). Description géologique de la presqu'île d'Aden, de l'île de la Réunion, des îles Saint-Paul et Amsterdam. 4to. *Paris*, 1878.

——. Mission de l'île Saint-Paul. Recherches géologiques faites à Aden, à la Réunion, aux îles Saint-Paul et Amsterdam, aux Seychelles. 8vo. *Paris*, 1879.

Velasquez de la Cadena (Mariano). See DICTIONARIES, Spanish and English.

Veltheim (A. F. von). Etwas über die Bildung des Basalts und die vormahlige Beschaffenheit der Gebirge in Deutschland. 8vo. *Leipzig*, 1787.

——. Gedanken über die Bildung des Basalts und die vormahlige Beschaffenheit der Gebirge in Deutschland. 8vo. *Brunswick*, 1789.

Vennor (Henry G.). Report . . . on the Geology of Hastings County Ontario, etc. (Tract.) 8vo. *Montreal*, 1870.

Venturi Gallerani (Giovanni). Saggio di produzioni naturali dello Stato sanese che si ritrovano nel suo museo. (Tract.) 8vo. *Sienna*, 1750.

Verbeek (R. D. M.) and **Böttger** (O.). Die Eocänformation und ihre Versteinerungen. Theil I. 4to. *Cassel*, 1875.

Vergnaud (A. D.). Manuel de perspective du dessinateur et du peintre. 12mo. *Paris*, 1825.

——. See RIFFAULT (J.).

Verneuil (Philippe Edouard Poulletier de). Obituary Notice. See Daubrée (A.).

——. Mémoire géologique sur la Crimée, suivi d'observations sur les fossiles de cette péninsule, par M. Deshayes. (Tract.) 4to. *Paris*, 1837.

——. Notice sur la structure géologique de l'Espagne. (Tract.) 8vo. *Caen*, 1853.

——. See Davidson (Thomas), Murchison (*Sir* Roderick Impey), Prado (Casiano de), and Tchihatcheff (Pierre de).

—— and **Collomb** (E.). Coup d'œil sur la constitution géologique de plusieurs provinces de l'Espagne; suivi d'une description de quelques ossements fossiles du terrain miocène, par P. Gervais. (Tract.) 4to. *Paris*, 1853.

—— ——. Note à l'occasion de deux coupes géologiques générales faites à travers l'Espagne, du nord au sud et de l'est à l'ouest. (Tract.) 4to. *Paris*, 1853.

—— ——. Géologie du sud-est de l'Espagne. Résumé succinct d'une excursion en Murcie et sur la frontière d'Andalousie, etc. (Tract.) 8vo. *Paris*, 1856.

——, ——, and **Lorière** (— de). Note sur les progrès de la géologie en Espagne pendant l'année 1854. (Tract.) 8vo. *Caen*, 1855.

——, ——, ——. Notes pour accompagner le tableau orographique d'une partie de l'Espagne. (Tract.) 4to. *Paris*, 1855.

——, ——, and **Triger** (—). Note sur une partie du pays Basque Espagnol, accompagnée d'une carte; et suivi d'une description de quelques Echinodermes, par M. G. Cotteau. (Tract.) 8vo. *Paris*, 1860.

—— and **Lartet** (Louis). Note sur le calcaire à Lychnus des environs de Segura (Aragon). (Tract.) 2 copies. 8vo. *Paris*, 1863.

—— ——. Note sur un silex taillé trouvé dans le diluvium des environs de Madrid. (Tract.) 2 copies. 8vo. *Paris*, 1863.

Verona. Ittiolithologia veronese del museo Bozziano ora annesso a quello del conte Giovambattista Gazola e di altri gabinetti di fossili veronesi (scritta dal Sign. G. S. Volta). Fol. *Verona*, 1796.

Verrill (A. E.). Corals and Polyps of the North Pacific Exploring Expedition, etc. (Tract.) 8vo. *Salem*, 1866.

——. On the Polyps and Corals of Panama, with descriptions of new species. (Tract.) 8vo. *Boston*, 1866.

Verulam (*Lord*). See Bacon (Francis).

Vesuvius. Novissima relatione dell' incendio successo nel monte di Somma, 1631. (Tract.) 12mo. *Venice* and *Naples*, 1632.

——. Istoria dell' incendio del Vesuvio accaduto nel anno 1737; scritta per l'Accademia delle Scienze. (Tract.) 4to. *Naples*, 1738.

——. The Natural History of Mount Vesuvius, with the explanation of the various phenomena that usually attend the eruptions of this celebrated volcano. Translated from the original Italian, composed by the Royal Academy of Sciences at Naples. 8vo. *London*, 1743.

——. Recueil de toutes les vues qui existoient dans le cabinet du Duc de la Tour, et qui représentoient les incendies du Mont Vésuve. Fol. *Naples*, 1805.

——. Extract of a letter from Sorrento at the moment of the last eruption of Vesuvius. (From 'The Times.') *London*, 1835.

——. See Volcanoes.

Viale-Prelà (Benedetto Pr.). Sulla causa del diluvio universale. (Tract.) 8vo. *Rome*, 1874.

Vibe (A.). See KEILHAU (B. M.). Gaea Norvegica.

Vibraye (X. de). Sur la réproduction en bois de renne d'une tête (présumée) de Mammouth, et sur quelques morceaux d'ivoire travaillé provenant plus particulièrement des stations du Périgord. (Tract.) 4to. *Paris*, 1865.

Victoria. A Catalogue of Minerals, Rocks, and Fossils which have been collected in the Colony by the Mining Department, Melbourne, Victoria. (Tract.) 8vo. *Melbourne*, 1866.

——. Official Record, containing introduction, catalogues, reports, and recommendations of the exports, official awards of the Commissioners [London International Exhibition of 1873], and essays and statistics of the social and economic resources of the Colony of Victoria. 8vo. *Melbourne*, 1873.

——. Statistical tables referring to the Colony of Victoria. (Sheet.) *Melbourne*, 1873.

——. The Victorian Government prize essays. 1860. 8vo. *Melbourne*, 1861.

Acheson (F.). On the Collection and Storage of Water.

Story (W.). On the Agriculture of Victoria.

Rosales (H.). On the Origin and Distribution of Gold in Quartz-veins.

Mayes (C.). On the Development of the Resources of the Colony.

——. See EXHIBITIONS of 1862 and 1876.

Vidal (Adriano Augusto de Pina). See PINA VIDAL (Adriano Augusto de).

Vienna. Bericht über die Erhebungen der Wasserversorgungs-Commission des Gemeinderathes der Stadt Wien. Text. 4to. *Vienna*, 1864.

Vignoles (Charles). See EXHIBITION of 1862. London.

Vilanova-y-Piera (Juan). Memoria geognostico-agricola sobre la provincia de Castellon. 4to. *Madrid*, 1858.

Villa (Antonio). Intorno tre opere di malacologia del Sig. Drouet di Troyes. (Tract.) 8vo. *Milan*, 1856.

——. Intorno agli studj geologici e paleontologici sulla Lombardia da Antonio Stoppani. (Tract.) 8vo. *Milan*, 1858.

—— and **Villa** (G. B.). Dispositio systematica conchyliarum terrestrium et fluviatilium quæ adservantur in eorum collectione etc. (Tract.) 8vo. *Milan*, 1841.

—— ——. Catalogo dei molluschi della Lombardia. (Tract.) 8vo. *Milan*, 1844.

—— ——. Sulla constituzione geologica e geognostica della Brianza e segnatamente sul terreno cretaceo. (Tract.) 8vo. *Milan*, 1844.

—— ——. Notizie intorno al genere *Melania*. (Tract.) 2 copies. 8vo. *Milan*, 1855.

—— ——. Gli Inocerami o Catilli della Brianza. (Tract.) 4to. *Milan*, 1858.

—— ——. Cenni geologici sul territorio dell' antico distretto di Oggiono. (Tract.) 8vo. *Milan*, 1878.

Villa (Giovanni Battista). Osservazioni geognostiche e geologiche fatte in una gita sopra alcuni colli del Bresciano e del Bergamasco. (Tract.) 4to. *Milan*, 1857.

Villa (Giovanni Battista). Ulteriori osservazioni geognostische sulla Brianza fatte dai fratelli Antonio e Gio. Battista Villa. (Tract.) 4to. *Milan*, 1857.

Villefosse (A. M. Héron de). See HÉRON DE VILLEFOSSE (A. M.).

Villiers (Alexandre de). Le nouveau géographe manuel. 3me édition. 12mo. *Paris*, 1828.

Villiers (A. J. M. Brochant de). See BROCHANT DE VILLIERS (A. J. M.).

Vincent (G.). See LEFÈVRE (Théodore).

Vincent (Lev.). Elenchus Tabularum, Pinacothecarum, atque nonnullorum Cimeliorum, etc. 4to. *Haarlem*, 1719.

Vine (G. R.). See BRITISH ASSOCIATION. Sheffield Guide-Book.

Viollet le Duc (E.). Le massif du Mont Blanc, étude sur sa constitution géodésique et géologique, sur les transformations et sur l'état ancien et moderne de ses glaciers. Carte dressée au $\frac{1}{40000}$. 8vo. *Paris* and *Liége*, 1876.

Viquesnel (Auguste). Obituary Notice. See ARCHIAC (*Vic.* d').

——. See SERIALS, ETC.: PARIS. Société Géologique de France.

Virey (—). See OLIVIER (—).

Virgin Gorda Mines. (Tract.) 8vo. *London*, 1842.

Virlet d'Aoust (Théodore). Lettre sur le déluge de la Samothrace. (Tract.) 8vo. *Paris*, 1831.

——. Notes géologiques sur les îles du nord de la Grèce, et, en particulier, sur un terrain de calcaire d'eau douce à lignites. (Tract.) 2 copies. 8vo. *Paris*, 1833.

——. Des comètes en général et de la formation de leurs queues. (Tract.) 8vo. *Avesnes*, 1835.

——. Des cavernes, de leur origine et de leur mode de formation. (Tract.) 8vo. *Avesnes*, 1836.

——. De l'origine des différens combustibles minéraux et des bois fossiles qui se rencontrent à la surface du globe. (Tract.) 8vo. *Paris*.

——. Notice sur les marbres. (Tract.) 8vo. *Paris*.

——. Notice sur les bitumes. (Tract.) 8vo. *Paris*.

——. Coup d'œil général et statistique sur la métallurgie, etc. (Tract.) 8vo. *Paris*, 1837.

——. Mémoire sur les filons en général, et le rôle qu'ils paraissent avoir joué dans les phénomenes du métamorphisme. (Tract.) 8vo. *Paris*, 1844.

——. Notes sur la géographie ancienne, &c. (Tract.) 8vo. *Paris*, 1845.

——. Notes sur quelques phénomènes de déplacements moléculaires qui se sont opérés dans les roches postérieurement à leur dépôt. (Tract.) 8vo. *Paris*, 1845.

——. Notes sur la coloration de certaines roches. (Tract.) 8vo. *Paris*, 1846.

——. Notice biographique sur M. Em. Le Puillon de Boblaye. (Tract.) 8vo. *Paris*.

——. Notes minéralogiques et géologiques sur le minerai de fer alumineux pisolithique de Mouriés, dit aussi des Baux, Canton de Saint-Rémy, département des Bouches-du-Rhône. (Tract.) 8vo. *Paris*, 1865.

——. Phénomènes géologiques observés dans la tranchée de la Rue de Rome, etc. (Tract.) 8vo. *Paris*, 1865.

Virlet d'Aoust (Théodore). Sur les salures différentes et les différents degrés de salure de certains lacs du Mexique. (Tract.) 8vo. *Paris*, 1865.

——. Sur une faune pyrénéenne nouvelle des lignites miocènes d'Orignac; sur les ophites du pont de Pouzac et dans les environs de Bagnères-de-Bigorre; sur les phénomènes de diffusion moléculaire auxquels paraissent dus les quartz spongiaires des mêmes localités. (Tract.) 8vo. *Paris*, 1865.

——. Coup d'œil général sur la topographie et la géologie du Mexique et de l'Amérique centrale. (Tract.) 8vo. *Paris*, 1866.

——. Histoire des Kaïmênis. (Tract.) 8vo. *Paris*, 1866.

——. Les origines du Nil. (Tract.) 8vo. *Paris*, 1872.

——. Sur une nouvelle théorie de la formation des comètes et de leurs queues. (Tract.) 4to. *Avesnes*, 1874.

Visiani (Roberto de). Piante fossili della Dalmazia, raccolte ed illustrate. 4to. *Venice*, 1858.

——. Palmæ pinnatæ tertiariæ agri Veneti. 4to. *Venice*, 1864.

——. Della vita scientifica del Cav. Alberto Parolini. (Tract.) 8vo. *Venice*, 1867.

—— and **Massalongo** (Abramo). Flora de' terreni terziarii di Novale nel Viventino. 4to. *Turin*, 1856.

Vivenzio (Giovanni). Istoria e teoria de' tremuoti in generale ed in particolare di quelli della Calabria e di Messina del 1783. 4to. *Naples*, 1783.

Vivian (E.). See MacEnery (J.).

Vivian (H. Hussey). Speech upon the Coal clause in the Commercial Treaty with France, 1860; together with a lecture on coal. (Tract.) 8vo. *London*, 1861.

Vivian (John Henry). Description of the process of amalgamation. (Tract.) 4to. *London*, 1825.

Viviani (Domenico). Memoria sopra una nuova specie di minerale scoperta in Liguria. (Tract.) 4to.

——. Voyage dans les Apennines de la ci-devant Ligurie. 2 copies. 4to. *Genoa*, 1807.

Vogel (Heinrich August). See Leonhard (K. C.).

Vogel (A.). Ueber den Chemismus der Vegetation. [Festrede .... der k.-b. Akad. der Wissenschaften.] (Tract.) 2 copies. 4to. *Munich*, 1852.

——. Justus Freiherr von Liebig als Begründer der Agrikultur-Chemie. (Tract.) 4to. *Munich*, 1874.

Vogel (Ed.). Ein neuentdeckter Schmetterling aus Spanien. (Tract.) 8vo. *Dresden*, 1857.

Vogelgesang (W.). See Fournet (J.).

Vogelsang (Hermann). Philosophie der Geologie und mikroskopische Gesteinsstudien. 8vo. *Bonn*, 1867.

——. Die Krystalliten. Nach dem Tode des Verfassers herausgegeben von F. Zirkel. 8vo. *Bonn* (dated 1875), 1874.

Vogt (Carl). Lehrbuch der Geologie und Petrefactenkunde, zum Gebrauche bei Vorlesungen und zum Selbstunterrichte. Theilweise nach L. Elie de Beaumont's Vorlesungen an der Ecole des Mines. 8vo. *Brunswick*, 1846–47.

Vogt (Carl). Lectures on Man. Edited by James Hunt. 8vo. *London*, 1864.

——. Lehrbuch der Geologie und Petrefactenkunde. 2 vols. 8vo. *Brunswick*, 1866.

——. Su alcuni antichi cranii umani rinvenuti in Italia. Etudes géologiques sur l'ancienneté de l'homme, et sur sa co-existence avec divers animaux d'espèces éteintes ou émigrées. (Tract.) 8vo. *Turin*, 1866.

Voigt (Johann Carl Wilhelm). Mineralogische Beschreibung des Hochstifts Fulde und einiger merkwürdigen Gegenden am Rhein und Mayn. 8vo. *Dessau* and *Leipzig*, 1783.

——. ——. Neue Auflage. 8vo. *Leipzig*, 1794.

——. Mineralogische Reisen durch das Herzogthum Weimar und Eisenach. 8vo. *Weimar* and *Leipzig*, 1785, 1794.

——. Drey Briefe über die Gebirgs-Lehre für Anfänger und Unkundige. (Tract.) 8vo. *Weimar*, 1786.

——. Mineralogische und bergmännische Abhandlungen. Zweiter Theil. 8vo. *Leipzig*, 1789.

——. Erklärendes Verzeichniss seiner neuesten Cabinets von Gebirgsarten. (Tract.) 8vo. *Weimar*, 1792.

——. ——. (Tract.) 8vo. *Weimar*, 1797.

——. Praktische Gebirgskunde. (Tract.) 8vo. *Weimar*, 1792.

——. ——. 2nd ed. 8vo. *Weimar*, 1797.

——. Kleine mineralogische Schriften. Erster Theil. (Tract.) 8vo. *Weimar*, 1799.

——. Mineralogische Reise nach den Braunkohlenwerken und Basalten in Hessen, etc. 12mo. *Weimar*, 1802.

——. Versuch einer Geschichte der Steinkohlen, der Braunkohlen und des Torfes. 8vo. *Weimar*, 1802.

Volborth (Alexander von). Ueber die russischen Sphaeroniten, eingeleitet durch einige Betrachtungen über die Arme der Cystideen. (Tract.) 8vo. *St. Petersburg*, 1846.

——. Ueber einige russische Trilobiten. (Tract.) 8vo. *St. Petersburg*, 1848.

——. Ueber die mit glatten Rumpfgliedern versehenen russischen Trilobiten, etc. (Tract.) 2 copies. 4to. *St. Petersburg*, 1863.

Volcanos. Dei vulcani o monti ignivomi più noti, e distintamente del Vesuvio, osservazioni fisiche e notizie istoriche. 2 vols. 12mo. *Leghorn*, 1779.

Volger (G. H. Otto). Beiträge zur geognostischen Kenntniss des norddeutschen Tieflandes. Erster Beitrag. Ueber die geognostischen Verhältnisse von Helgoland, Lüneburg, Segeberg, Läggedorf und Elmshorn in Holstein und Schwarzenbeck im Lauenbürgischen. (Tract.) 4to. *Brunswick*, 1846.

Volkelts (Johann Gottlieb). Gesammelte Nachrichten von schlesischen Bergwerken. 8vo. *Breslau* and *Leipzig*, 1775.

Volkmann (Georg Anton). Silesia subterranea, oder unterirdischen Schlesien, etc. 2 vols. 4to. *Frankfort*, 1720.

Volta (Alessandro). His works. See MAGRINI (Luigi).

Volta (Giovanni Serafino). See VERONA.

Voltaire (François Marie Arouet de). Œuvres. Tom. XXVII. Mélanges Historiques. Tom. I. 8vo. *Paris*, 1784.

Voltz (Friedrich). Uebersicht der geologischen Verhältnisse des Grossherzogthums Hessen. (Tract.) 8vo. *Mayence*, 1852.

Voltz (Philippe Louis). Geognostiche Nachrichten über die Umgegend von Vic. (Tract.) 8vo. *Frankfort*, 1823.

——. Notice sur la source d'eau minérale de Soulz-les-Bains. (Tract.) 4to. *Strasburg*, 1830.

——. Observations sur les Bélemnites. (Tract.) 4to. *Paris*, 1830.

——. Observations sur les végétaux fossiles. (Tract.) 4to. *Strasburg*, 1830.

——. Notice sur le Bradford-clay de Bouxwiller et de Bavillers. (Tract.) 4to. *Strasburg*, 1830.

——. Notice sur le grès bigarré de la grande carrière de Soultz-les-Bains. (Tract.) 4to. *Strasburg*, 1835.

——. Ueber das fossile Genus *Nerinea*. (Tract.) 8vo. *Stuttgart*, 1836.

——. Détermination des fossiles connus sous le nom d'*Aptychus*, *Trigonellites*, etc. (Tract.) 8vo. *Strasburg*, 1837.

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Vom Rath (Gerhard). Ein Beitrag zur Kenntniss der Trachyte des Siebengebirges. (Tract.) 8vo. *Bonn*, 1861.

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——. Gustav Rose. Nekrolog. (Tract.) 4to. *Bonn*, 1873.

——. Naturwissenschaftliche Studien. Erinnerungen an die Pariser Weltausstellung 1878. (Sections étrangères.) 8vo. *Bonn*, 1879.

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——. Vorträge und Mittheilungen. (Tract.) 8vo. *Bonn*, 1879.

——. Vorträge und Mittheilungen. (Tract.) 8vo. *Bonn*, 1880.

Von Buch (Leopold). See Buch (Leopold von).

Von der Hagen (Thomas Philipp). Beschreibung der Kalkbrüche bey Rüdersdorf, der Stadt Neustadt-Eberswalde. 4to. *Berlin*, 1785.

Von der Decken (Carl Claus). Reisen in Ost-Africa in den Jahren 1859–1865. Band III. Wissenschaftliche Ergebnisse. Abtheilung 3. Geologie; Botanik; Meteorologie; Astronomische, Geodätische und Höhenmessungen; Magnetische Beobachtungen; Geschichtstabellen; Literaturübersicht. Bearbeitet von A. Sadebeck, P. Ascherson, Boeckeler, F. W. Klatt, M. Kuhn, P. G. Lorentz, W. Sonder, O. Kersten, B. Hassenstein. 8vo. *Leipzig* and *Heidelberg*, 1879.

Von der Linth (Arnold Escher). See Escher von der Linth (Arnold).

Von der Null (Jac. Fried.). See Mohs (F.).

Voorn (Jac.). Catalogus antiquarum et novarum rerum ex longe dissitis terrarum oris quarum visendarum copia Lugduni in Batavis in Anatomia publica, etc. (Tract.) 4to. *Leyden*, no date.

Vorarlberg. See Tyrol.

Vose (George L.). Orographic Geology; or the origin and structure of Mountains. A Review. 2 copies. 8vo. *Boston*, 1866.

Vrolik (W.). Catalogue d'une belle collection d'ouvrages [à vente] de Zoologie, Botanique et de Médecine, etc. Supplément au Catalogue de *sa* Bibliothèque. (Tract.) 8vo. *Amsterdam*, 1864.

Vuillemin (E.). Les mines de houille d'Aniche. Exemple des progrès réalisés dans les houillères du nord de la France pendant un siècle. Planches, 4to; Texte, 8vo. *Paris*, 1878.

Vyse (G. W.). Report on the Irrigation and Inundation of the Nile. (Tract.) 8vo. *London*, 1878.

W.

W * * * (B. A. E.). Die Erdrevolutionen oder Beschreibung und Erklärung des in Spanien am 21. März 1829 ausgebrochenen grossen Erdbebens. (Tract.) 8vo. *Leipzig*, 1830.

W * * * (W., F.R.S.). See **A** * * * (J., M.D.).

Waage (P.). See **Guldberg** (C. M.).

Waagen (Wilhelm). Der Jura in Franken, Schwaben und der Schweiz verglichen nach seinen paläontologischen Horizonten. (Tract.) 8vo. *Munich*, 1864.

——. Versuch einer allgemeinen Classification der Schichten des oberen Jura. (Tract.) 8vo. *Munich*, 1865.

——. Die Formenreihe des *Ammonites subradiatus*. (Tract.) 8vo. *Munich*, 1869.

——. On the Geographical Distribution of Fossil Organisms in India. (Tract.) 8vo. *Calcutta*, 1878.

——. Ueber die geographische Vertheilung der fossilen Organismen in Indien. (Tract.) 8vo. *Vienna*, 1878.

——. Salt-Range Fossils. I. Productus-limestone Fossils. 1. Pisces —Cephalopoda. [Palæontologia Indica.] 4to. *Calcutta*, 1879.

Wachtmeister (H. G. Trolle). Undersökning af några till granatslägtet hörande mineralier. (Tract.) 8vo. *Stockholm*, 1824.

Wackenroder (Heinrich). Mineralogisch-chemische Beiträge zur Kenntniss des thüringischen Flötzgebirges. Heft I. (Tract.) 8vo. *Jena*, 1836.

Wagner (Johann Andreas). Obituary Notice. See **Martius** (Carl Friedrich Philip von).

——. Bemerkungen über die Dolomite einiger süddeutschen Formationen. (Tract.) 4to. *Munich*, 1836.

——. Denkrede auf Gotthilf Heinrich v. Schubert. (Tract.) 4to. *Munich*, 1861.

——. Abweisung der von Herrn Professor H. Burmeister vorgebrachten Behauptungen. 8vo. *Leipzig*, 1845.

——. Andeutungen zur Charakteristik des organischen Lebens nach seinem Auftreten in den verschiedenen Erdperioden. (Tract.) 4to. *Munich*, 1845.

——, **Troschel** (F. H.), **Erichson** (W. F.), and **Siebold** (C. T. V.). The progress of Zoology in 1842. Translated by W. B. Macdonald. [Ray Society.] 8vo. *London*, 1841–42.

——, ——, ——, ——. Reports on Zoology for 1843–1844. Translated by George Busk, Alfred Tulk, and Alexander H. Halliday. [Ray Society.] 8vo. *London*, 1847.

Wagner (Joseph Friedrich). Notizen über die Mineraliensammlung Sr. Excellenz des Herren Dr's Alexander's von Crichton. 4to. *Moscow*, 1818.

Wagner (Thomas). Corpus Juris Metallici recentissimi et antiquioris. (Sammlung der neuesten und älterer Berggesetze.) 8vo. *Leipzig*, 1791.

—— (?). Ueber die chursächsische Bergwerksverfassung. Ein Beytrag zur Statistik von Sachsen. 8vo. *Leipzig*, 1787.

Wahlenberg (Georg). Flora Carpatorum principalium exhibens plantas in montibus Carpaticis inter flumina Waagum et Dunajetz eorumque ramos Arvam et Popradum crescentes, cui praemittitur tractatus de altitudine, vegetatione, temperatura et meteoris horum montium in genere. 8vo. *Göttingen*, 1814.

*** The titlepage, dedication, and "ratio operis" are wanting in this copy.

Wahlenberg (Göran). Berättelse om mätningar och observationer för att bestämma Lappsk Fjällens höjd, och temperatur vid 67 graders polhöjd. Förrättade år 1807. (Title wanting.) 4to. *Stockholm*, 1808.

*** This is the second article in a work by Hermelin (S. G.), Försök till beskrifning öfver Lappmarken och Vesterbotten, uti särskilta afhandlingar. Första delen. [The only one published.] [1803–] 1808.

Wailes (B. L. C.). See SURVEYS: MISSISSIPPI.

Walch (Johann Ernst Immanuel). Das Steinreich, systematisch entworfen. 8vo. *Halle*, 1769.

——. See KNORR (Georg Wolfgang).

Walcher (Joseph). Nachrichten von den Eisbergen in Tyrol. (Tract.) 8vo. *Vienna*, 1773.

Walchner (Friedrich August). De Hyalosiderite. (Tract.) 4to. *Freiberg*, 1822.

——. Handbuch der Geognosie. 8vo. *Carlsruhe*, 1833.

——. Darstellung der geologischen Verhältnisse der am Nordrande des Schwarzwaldes hervortretenden Mineralquellen, mit einer einleitenden Beschreibung der naturhistorischen Verhältnisse des zu Rothenfels bei Baden entdeckten Mineralwassers. (Tract.) 8vo. *Mannheim*, 1843.

——. Darstellung der geologischen Verhältnisse des Mainzer Tertiärbeckens und seiner fossilen Fauna und Flora. (Tract.) 8vo. *Carlsruhe*, 1850.

——. Darstellung der geologischen Verhältnisse des Süsswasser-Mergels von Oeningen im bädischen Seekreis und seiner fossilen Flora und Fauna. (Tract.) 8vo. *Carlsruhe*, 1850.

Walcott (John). Descriptions and Figures of Petrifactions found in the Quarries, Gravel-pits, &c. near Bath. 2 copies. 8vo. *London*, 1779.

Waldin (Johann Gottlieb). Die Frankenberger Versteinerungen. (Tract.) 4to. *Marburg*, 1778.

Wales (Thomas E.). See REPORTS, PARLIAMENTARY. Mines.

Walford (Thomas). The Scientific Tourist through England, Wales, and Scotland. 2 vols. 8vo. *London*, 1816–18.

——. On the Mineralogy of Birdbrook, in Essex. MS.

Walker (Francis). Monographia Chalciditum. 8vo. *London*, 1839.

——. See BRITISH MUSEUM.

Walker (George). See BOYS (William).

Walker (Henry). Saturday Afternoon Rambles round London, Rural and Geological. 8vo. *London*, 1871.

Walker (H.). See FALCONER (Hugh).

Walker (John). Classes Fossilium; sive characteres naturales et chymici classium et ordinum in systemate minerali, etc. 8vo. *Edinburgh*, 1787.

Walker (John Francis). On the Fossils contained in a Lower Greensand deposit of Phosphatic Nodules in Bedfordshire. (Tract.) 8vo. *London*, 1866.

——. A Reply to Mr. Seeley's remarks on my account of the Phosphatic Deposit at Potton, in Bedfordshire. (Tract.) 8vo. *London*, 1867.

——. On some new Coprolite-workings in the Fens. (Tract.) 8vo. *London*, 1867.

——. On some new Terebratulidæ from Upware. (Tract.) 8vo. *London*, 1867.

——. On Secondary Species of Brachiopoda [Lower Greensand Brachiopoda]. (Tract.) 8vo. *London*, 1870.

——. On the occurrence of *Terebratula Morieri* in England. (Tract.) 8vo. *London*, 1878.

Walker (Robert J.). Biography. See SLINGSBY (Jon.).

Wall (G. P.) and **Sawkins** (J. G.). Report on the Geology of Trinidad. 8vo. *London*, 1860.

——. See SAWKINS (James Gay).

Wallace (Alfred Russel). On the Rio Negro. (Tract.) 8vo. *London*, 1853.

——. On the Law which has regulated the Introduction of New Species. (Tract.) 8vo. *London*, 1855.

——. The Geographical Distribution of Animals. 2 vols. 8vo. *London*, 1876.

Wallace (John). Section at Blaenavon, near Abergavenny. (Tract.) Fcap. fol. MS. 1842.

Wallace (William). The Laws which regulate the Deposition of Lead-ore in veins, illustrated by an examination of the Geological Structure of the Mining Districts of Alston Moor. 8vo. *London*, 1861.

Wallerius (Johann Gotschalk). Mineralogie, ou description générale des substances du règne minéral, traduit de l'Allemand. 2 vols. 8vo. *Paris*, 1753.

——. De Systematibus mineralogicis et systemate mineralogico rite condendo. 8vo. *Stockholm*, 1768.

——. Meditationes physico-chemicæ de Origine Mundi, imprimis Geocosmi ejusdemque Metamorphosi. 8vo. *Stockholm* and *Upsala*, 1797.

Wallich (G. C.). On Apparatus for Dredging at moderate depths in the Deep Sea, and for capturing floating objects from shipboard. (Tract.) 8vo. *London*, 1859.

——. Notes on the Presence of Animal Life at Vast Depths in the Sea; with observations on the nature of the Sea-bed, as bearing on Submarine Telegraphy. (Tract.) 2 copies. 8vo. *London*, 1860.

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Wallich (G. C.). Remarks on some Novel Phases of Organic Life, and on the Boring-powers of Minute Annelids at great depths in the Sea. (Tract.) 8vo. *London*, 1861.

——. Further observations on some Novel Phases of Organic Life at great depths in the Sea. (Tract.) 8vo. *London*, 1862.

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Wallich (G. C.). A contribution to the Physical History of the Cretaceous Flints. (Tract.) 8vo. *London*, 1880.

——. The Threshold of Evolution. 8vo. *London*, 1880.

Wallich (N.). List of Indian Woods collected by *him*. (Tract.) 8vo. *London*.

Waltershausen (W. Sartorius von). See SARTORIUS VON WALTERSHAUSEN (W.).

Walther (B. S.). Die Erdbeben und Vulkane, physisch und historisch betrachtet. 8vo. *Leipzig*, 1805.

Walther (Chr. Fr.). Viro excellentissimo et doctissimo Dr. Eduardo de Eichwald, memoriam recolenti d. 18. m. Maii MDCCCLXIX. (Tract.) 8vo. *St. Petersburg*, 1869.

Walton (John). See BRITISH MUSEUM.

Wangenheim von Qualen (F.). Geognostische Beiträge zur Kenntniss der Gebirgs-Formationen des westlichen Urals, etc. (Tract.) 2 copies. 8vo. *Moscow*, 1840.

See also FISCHER-DE-WALDHEIM (G.).

——. Alpenblümchen gesandt von des Ural's Höhen an S. Excell. Herrn Fischer von Waldheim. 4to. *St. Petersburg*, 1847.

Wanklyn (A.). Description of some new species of Fossil Ferns from the Bournemouth Leaf-bed. (Tract.) 8vo. *London*, 1869.

Ward (J. Clifton). Ice. To which is appended a Geological Dream on Skiddaw. (Tract.) 8vo. *London*, 1870.

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——. See SURVEYS: ENGLAND AND WALES.

Wardell (Frank N.). See REPORTS, PARLIAMENTARY. Mines.

Wardle (Thomas). On the Geology of the neighbourhood of Leek, Staffordshire. 8vo. *Leek*, 1863.

Warner (John). See ADMIRALTY PUBLICATIONS.

Warren (G. K.). Explorations in the Dacota country in the year 1855. (Tract.) 8vo. *Washington*, 1856.

——. Explorations of Nebraska Territory. (Tract.) 8vo. *Washington*, 1858.

——. An essay concerning important Physical Features exhibited in the Valley of the Minnesota River, and upon their signification. (Tract.) 8vo. *Washington*, 1874.

Warren (John C.). Description of a Skeleton of the *Mastodon giganteus* of North America. 4to. *Boston*, 1852.

"Wassa Effendi." See FAIRMAN (Edward St. John).

Watelet (Ad.). Description des plantes fossiles du bassin de Paris. Text and Atlas. 4to. *Paris*, *London*, and *Madrid*, 1866.

——. Le bassin de Paris. Recueil de mémoires relatifs au bassin tertiaire de cette région et à l'époque quaternaire.—Catalogue des Mollusques des Sables inférieurs. (Tract.) 8vo. *Paris*, 1870.

Waterhouse (George R.). A Natural History of the Mammalia. 2 vols. 8vo. *London*, *Paris*, and *Leipzig*, 1846.

——. See BEAGLE EXPEDITION.

Waterhouse (John). Eight Years' Meteorology of Halifax, being a record of observations taken at Well Head during the years 1866 to 1873 inclusive. (Tract.) 4to. *Halifax*, 1874.

Water Supply. See Reports, Parliamentary.

——. Canterbury. New Water Supply. Report from the Engineer [S. C. Homersham] to the Waterworks, and a Chemical Analysis of the Water from the new works at Wincheap, by Dugald Campbell, etc. 2nd edition. (Tract.) 8vo. *London*, 1873.

——. ——. See Homersham (Samuel Collett).

——. Hastings. See Cresy (Edward) and Topley (W.).

——. Leeds. See Dresser (C. L.).

——. London. Supply of pure Spring-Water to the Metropolis. Report to the Directors of the London (Watford) Spring-Water Company [by S. C. Homersham]. 4th edition. (Tract.) 2 copies. 8vo. *London*, 1850.

——. ——. Report from the provisional Directors of the London (Watford) Spring-Water Company. (Tract.) 8vo. *London*, 1852. See also Lankester (Edwin) and Redfern (Peter).

——. ——. The Water-springs at Grays, Essex: their capability of affording a supply of pure water to the Metropolis. Reports by J. Prestwich, D. Campbell, E. Easton, and R. D. Thomson. 8vo. *London*, 1860.

——. ——. Reports by the Engineer on the Boring Operations at the Crossness pumping-station. (Tract.) 8vo. *London*, 1869.

——. ——. Further Report. (Tract.) 8vo. *London*, 1869.

——. ——. See Coates (Thomas), Prestwich (Joseph), Rennie (George), and Stephenson (Robert).

——. Oxford. See Prestwich (Joseph).

Waters (Arthur William). Notes on Fossil Lithothamnia (so-called Nulliporæ). (Tract.) 8vo. *Manchester* [and *London*, reprint], 1874.

Waterton (Charles). Letters to James Jameson. (Tracts.) 8vo. *Wakefield*, 1835.

——. An Ornithological Letter. (Tract.) 8vo. *Wakefield*, 1837.

Wathen (George Henry). The Golden Colony; or, Victoria in 1854. 8vo. *London*, 1855.

Watkins (Charles Frederick). Sacred Poems, containing Poetical Illustrations of Scripture. The Pampeiro, or Tempest of La Plata; The Human Hand; The Hand Divine. 8vo. *London*, 1829.

Watson (J. Forbes). [The Textile Manufactures and the Costumes of the People of India.] Opinions of the Press. (Tract.) 8vo. *London*, no date.

Watson (John Selby). Geology. A Poem, in seven books. 2 copies. 8vo. *London*, 1844.

Watson (Robert Boog). Notes on the Boulder-clay at Greenock and Port Glasgow. (Tract.) 8vo. *Edinburgh*, 1864.

——. On the Great Drift-beds with Shells in the South of Arran. (Tract.) 4to. *Edinburgh*, 1864.

Watson (Robert Spence). The Villages around Metz. (Tract.) 8vo. *Newcastle*, 1870.

Watson (Sereno). See Surveys: California and United States.

Watson (William H.). On the action of Sea-Water upon Lead and Copper. (Tract.) 8vo. *Manchester*, 1877.

Watson (White). Catalogue of a Collection of Fossils, the production of Derbyshire; arranged according to the respective strata in which they are found. Accompanied with a Tablet, representing a section of the strata. 8vo. *Dublin*, 1805.

*** Only the titlepage and the "Tablet" and a part of the "Explanation of the Tablet" (pp. 15–18) are in the Library.

——. Catalogue of a Collection of Limestones which compose a Tablet, with observations on their respective qualities for the purposes of building and agriculture. (Tract.) 8vo. *Sheffield*, 1805.

——. A Delineation of the Strata of Derbyshire, forming the surface from Bolsover in the east to Buxton in the west, etc. 4to. *Sheffield*, 1811.

Waugh (*Sir* A. Scott). See Reports, Colonial. India.

Way (A.). On the recent discovery of large quantities of Phosphate of Lime in the fossil state. (Tract.) 8vo. *Oxford.*

Wear, Tyne, and **Tees,** Industrial Resources. See Armstrong (W. G.).

Weatherhead (George Hume). An analysis of the Leamington Spa, in Warwickshire. (Tract.) 8vo. *London*, 1820.

——. An account of the Beulah Saline Spa at Norwood, Surrey. (Tract.) 2 copies. 8vo. *London*, 1832.

Weaver (Thomas). Observations on the distinctive characters of the principal classes of Rocks. Fol. *MS.*

——. On Irish Tin-Ore. (Tract.) 8vo. *London*, 1841.

——. Additional remarks on the Older Red Sandstone Formation, or Group, of foreign Geologists, and the Carboniferous Series of the English. (Tract.) 8vo. *London*, 1824.

——. On the Carboniferous Series of the United States of North America. (Tract.) 8vo. *London*, 1836.

——. On the Geological Relations of the South of Ireland. (Tract.) 4to. *London*, 1836.

——. On the Older Stratified Rocks of North Devon, with correlative remarks concerning Transition or Protozoic Regions in general. (Tract.) 2 copies. 8vo. *London*, 1839.

——. On the Mineral Structure of the South of Ireland, with correlative matter in Devon and Cornwall, Belgium, the Eifel, etc. (Tract.) 2 copies. 8vo. *London*, 1840.

——. On the Composition of Chalk Rocks and Chalk Marl by invisible organic bodies. (Tract.) 2 copies. 8vo. *London*, 1841.

——. See Werner (Abraham Gottlob).

Webb (Philip Barker). Osservazioni intorno allo stato antico e presente dell' Agro Trojano. 8vo. *Milan*, 1821.

Weber (C. O.). Ueber die Susswasserquarze von Muffendorf bei Bonn. (Tract.) 4to. *Vienna*, 1850.

Webster (John). Metallographia; or, an History of Metals. 4to. *London*, 1671.

Webster (John W.). A description of the Island of St. Michael, comprising an account of its Geological Structure; with remarks on the other Azores, or Western Islands. 8vo. *Boston*, 1821.

Webster (Thomas). On the Freshwater Formations in the Isle of Wight. (Tract.) *MS.*

——. Reply to Dr. Fitton's Paper in the 'Annals of Philosophy' for November, entitled "Inquiries respecting the Geological Relations of the Beds between the Chalk and the Purbeck Limestone in the South-east of England." (Tract.) 8vo. *London*, 1825.

——. See Englefield (*Sir* Henry C.).

Webster (Thomas, C. E.). The Anthracite Iron Case: Crane *v.* Price and others. From Reports and Notes of Cases on Letters Patent for Invention. (Tract.) 8vo. *London*, 1842.

——. The case of Josiah Marshall Heath, the inventor and introducer of the Manufacture of Welding Cast Steel from British Iron. (Tract.) 8vo. *London*, 1856.

Wedding (Hermann). Die Magneteisensteine von Schmiedeberg. (Tract.) 8vo. *Berlin*, 1859.

——. See Exhibition of 1862.

Weilenmann (J. J.). See Studer (G.).

Weinberg (Julian). Polacy w Rodzinie Slawian. 8vo. *Warsaw*, 1876.

Weinkauff (H. C.). Die Conchylien des Mittelmeeres, ihre geographische und geologische Verbreitung. 2 vols. 8vo. *Cassel*, 1867.

Weiss (C. Ernst). Fossile Flora der jüngsten Steinkohlenformation und des Rothliegenden im Saar-Rhein-Gebiete. 4to. *Bonn*, 1869–72.

——. Ueber die Entwickelung der fossilen Floren in den geologischen Perioden. (Tract.) 8vo. *Berlin*, 1877.

Weiss (Christian Samuel). Obituary Notice. See Martius (Carl Friedrich Philipp von).

——. Ueber die Gebirgsart des sächischen Erzgebirges welche unter dem Namen Weissstein neuerlich bekannt gemacht worden ist. (Tract.) 4to. *Berlin*, 1803.

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——. Ueber das Staurolithsystem, als abgeleitet aus dem regulären Krystallsystem. (Tract.) 4to. *Vienna*, 1831.

——. Betrachtung des Feldpathsystems in der viergliedrigen Stellung. (Tract.) 4to. *Vienna*, 1835.

——. Ueber eine versteckte gegenseitige Beziehung zwischen den Krystallsystemen des Feldspathes und des Kalkspathes. (Tract.) 4to. *Vienna*, 1835.

——. See Frisch (S. G.).

Welch (W.). Religiosa Philosophia; or a new Theory of the Earth. Improved edition. (Tract.) 8vo. *Plymouth*, 1822.

Weld (Charles Richard). See Serials, etc. London. Royal Society.

Weld (Isaac). Statistical Survey of the county of Roscommon. 8vo. *Dublin*, 1832.

Wells (*Sir* Mordaunt). Sir Mordaunt Wells and Public Opinion in India. (Tract.) 8vo. *Calcutta*, 1863.

Wells (Walter). The Water-power of Maine. 8vo. *Augusta*, 1869.

Welsh (J.). See ADMIRALTY PUBLICATIONS.

Werner (Abraham Gottlob). Obituary Notices. See GERLACH (F. W. A.) and LEONHARD (Karl Cæsar von).

——. Kurze Klassifikation und Beschreibung der verschiedenen Gebürgsarten. (Tract.) 8vo. *Dresden*, 1787.

——. Traité des caractères extérieurs des fossiles. (Traduit de l'Allemand par Mme. Picardet.) 8vo. *Dijon*, 1790.

——. Ausführliches und systematisches Verzeichnis des Mineralien-Kabinets des K. E. Pabst von Ohain. Band I. 8vo. *Freiburg* and *Annaberg*, 1791.

——. A Treatise on the external characters of Fossils. Translated by Thomas Weaver. 8vo. *Dublin*, 1805.

——. New Theory of the Formation of Veins; with its application to the art of working Mines. Translated from the German, to which is added an appendix, containing notes illustrative of the subject, by Charles Anderson. 8vo. *Edinburgh*, 1809.

——. Werner's Mineral System. (Tract.) 4to. MS., 1815.

——. Bergværkskundskabernes omfang af afdeeling eller skizze til en Encyclopædie af Bergværksvidenskaben. Overssat af H. C. Ström. (Tract.) 8vo. *Trondhjem*, 1829.

——. A Treatise on the external characters of Minerals. (Tract.) 8vo. *London*, 1849–50.

Wernerian Club. An Analysis of the Natural System and its application to the Mineral Kingdom. (Tract.) 8vo. *London*, 1846.

Wertheim (—). See PONCELET (—).

West (A. A.). See BERKLEY (James J.).

Westall (Edward). On the advantages to be derived from the adoption of the "Local Government Act," as exemplified in Croydon, with geological and other notes by J. W. Flower and C. W. Johnson. (Tract.) 8vo. *London*, 1865.

Western Australia. General Report on a Geological Exploration of that portion of the colony of Western Australia lying southward of the Murchison River and westward of Esperance Bay. (Tract.) Fol. *Perth, W. A.*, 1873.

West Indies. Royal West-India Mining Company. Prospectus. (Tract.) 8vo. *London*, 1852?

Westwood (John Obadiah). Address at the Anniversary Meeting of the Entomological Society, January 1852. (Tract.) 8vo. *London*, 1852.

——. ——. January 1853. (Tract.) 8vo. *London*, 1853.

——. See BRITISH MUSEUM.

Wetherell (Nathaniel Thomas). A Notice of some undescribed Organic Remains which have recently been discovered in the London Clay Formation. (Tract.) 8vo. *London*, 1839.

——. Notice of a species of *Rotalia* found attached to specimens of *Vermetus bognoriensis*. (Tract.) 8vo. *London*, 1839.

Wetherell (Nathaniel Thomas). Notice of a Barytic deposit in certain Testacea from the London Clay. (Tract.) 8vo. *London*, 1851.

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——. On some peculiar markings on the broken surfaces of Flints. (Tract.) 8vo. *London*, 1859.

Wettstein (H.). Die Strömungen des Festen, Flüssigen und Gasförmigen, und ihre Bedeutung für Geologie, Astronomie, Klimatologie und Meteorologie. 8vo. *Zurich*, 1880.

Weyprecht (K.). Die Metamorphosen des Polareises. 8vo. *Vienna*, 1879.

Wheatley (Charles M.). Remarks on the Mesozoic Red Sandstone of the Atlantic slope, etc. (Tract.) 8vo. *New Haven*, 1861.

Wheeler (Geo. M.). See Surveys: United States.

Wheelright (H. W.). Comparativ förteckning.—Comparative List of the Birds of Scandinavia and Great Britain. (Tract.) 4to. *Carlstadt*, 1852.

Whewell (William). An Essay on Mineralogical Classification and Nomenclature, etc. (Tract.) 8vo. *Cambridge*, 1828.

——. Principles of Geology by Charles Lyell—Review. (Tract.) 8vo. *London*, 1830.

——. On the Free Motion of Points, and on Universal Gravitation, including the Principal Propositions of Books I. and III. of the Principia. The first part of a new edition of a Treatise on Dynamics. 8vo. *Cambridge*, 1832.

——. Address delivered on the . . . opening of the Third General Meeting of the British Association. (Tract.) 8vo. *Cambridge*, 1833.

——. Astronomy and General Physics considered with reference to Natural Theology. [Bridgewater Treatise.] 8vo. *London*, 1833.

——. Newton and Flamsteed. (Tract.) 8vo. *London* and *Cambridge*, 1836.

——. Newton and Flamsteed. Remarks on an Article in Number CIX. of the Quarterly Review. Second edition. (Tract.) 8vo. *London*, 1836.

——. Report on the recent progress and present condition of the Mathematical Theories of Electricity, Magnetism, and Heat. (Tract.) 8vo. *London*, 1836.

——. History of the Inductive Sciences. 3 vols. 8vo. *London* and *Cambridge*, 1837.

——. The Philosophy of the Inductive Sciences founded upon their History. 3 vols. 8vo. *London* and *Cambridge*, 1840.

Whidbey (Joseph). On some fossil Bones discovered in caverns in the lime-stone quarries of Oreston; to which is added a description of the Bones, by William Clift. (Tract.) 4to. *London*, 1823.

Whincopp (W.). Important Discoveries which have led to the elucidation of the deposit of Flint Implements in France and England. (Tract.) 8vo. *Woodbridge*, 1865.

Whiston (William). A new Theory of the Earth, from its Original to the Consummation of all things, etc. 8vo. *London*, 1696.

——. ——. 2nd edition. 8vo. *Cambridge*, 1708.

——. ——. 3rd edition. 8vo. *London*, 1722.

——. ——. 6th edition. 8vo. *London*, 1755.

Whitaker (William). Note on the Surface Geology of London, etc. (Tract.) 8vo. *London*, 1867.

——. On Subaërial Denudation, and on Cliffs and Escarpments of the Chalk and the Lower Tertiary Beds. (Tract.) 2 copies. 8vo. *London*, 1867.

——. On a Raised Beach at Portland Bill, Dorset. (Tract.) 8vo. *London*, 1869.

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——. List of Books, Papers, Maps, etc., on the Geology, Mineralogy, and Palæontology of Wiltshire. (Tract.) 8vo. (imp.) *Devizes*, 1873.

——. List of Works on the Geology, Mineralogy, and Palæontology of the Hampshire Basin. (Tract.) 8vo. *Winchester*, 1873.

——. List of Works on the Geology of Cambridgeshire. (Tract.) 8vo. *Cambridge*, 1873.

——. Guide to the Geology of London and the neighbourhood. 1st edition. 8vo. *London*, 1875.

——. 2nd edition. 8vo. *London*, 1875.

——. List of Works on the Geology, &c., of Cornwall. (Tract.) 8vo. *Truro*, 1875.

——. List of Works on the Geology, Mineralogy, and Palæontology of Cheshire. (Tract.) 8vo. *Liverpool*, 1876.

——. See Bristow (Henry William); Jones (Thomas Rupert); Serials, etc., London, Geological Record; and Surveys, England and Wales.

White (Adam). See British Museum and Samarang Expedition.

White (Charles A.). Palæontological Papers Nos. 1–5. (Tract.) 8vo. *Washington*, 1877.

——. See Surveys: Iowa.

White (G. ?). Statistics of Georgia. (Tract.) 8vo. *Savannah*, 1849.

White (Henry). See Surveys: Great Britain. Museum of Practical Geology.

White (Martin). See Admiralty Publications.

White (M. C.). Discovery of Microscopic Organisms in the Siliceous Nodules of the Palæozoic Rocks of New York. (Tract.) 8vo. *New Haven*, 1862.

White (Walter). Papers on Railway and Electric Communications, Arctic and Antarctic Expeditions, and the Sanitary Movement. 8vo. *Edinburgh*, 1850–51.

Whitehead (Charles). Fruit-growing in Kent. (Tract.) 8vo. *London*, 1877.

——. Report upon the Market-garden and Market-garden Farm Competition, 1879. (Tract.) 8vo. *London*, 1880.

Whitehurst (John). An enquiry into the Original State and Formation of the Earth. 4to. *London*, 1778.

——. ——. 2nd edition. 4to. *London*, 1786.

— —. The Works of John Whitehurst, with Memoirs of his Life and Writings, by C. Hutton. 4to. *London*, 1792.

Whiteley (Henry). Three months in Jamaica, in 1832; comprising a residence of seven weeks on a Sugar Plantation. (Tract.) 8vo. *London*, 1833.

Whitfield (R. P.). Observations on the Internal Appendages of the Genus *Atrypa*, etc. (Tract.) 8vo. *New York*, 1866.

——. See Hall (James) and Surveys: United States.

Whiting (George). See Exhibition of 1862 (London). Tasmania.

Whitley (Nicholas). The application of Geology to Agriculture, etc. 8vo. *London*, 1843.

——. The "Flint Implements" from Drift not authentic. (Tract.) 8vo. *Truro*, 1864.

——. On the Temperature of the Sea, and its Influence on the Climate and Agriculture of the British Isles. (Tract.) 8vo. *London*, 1868.

Whitney (J. D.). The Metallic Wealth of the United States, described and compared with that of other countries. 8vo. *Philadelphia*, 1854.

——. Notice of the Progress of the Geological Survey of California, up to May, 1863. (Tract.) 2 copies. 8vo. *San Francisco*, 1863.

——. Earthquakes, Volcanoes, and Mountain-building. 8vo. *Cambridge*, 1871.

——. The Owen's Valley Earthquake of March 26, 1872. (Tract.) 8vo. *New Haven*, 1872.

——. Geographical and Geological Surveys. 8vo. *Cambridge*, 1875.

——. See Surveys: California, Iowa, Michigan, and Wisconsin.

Whittlesey (Charles). A dissertation upon the Origin of Mineral Coal. (Tract.) 8vo. *Cleveland*, 1845.

——. Geology and Minerals. A report of Explorations in the mineral regions of Minnesota during the years 1848, 1859, and 1864. (Tract.) 2 copies. 8vo. *Cleveland*, 1866.

——. See Hill (Samuel W.).

Widenmann (Johann Friedrich Wilhelm). Ueber die Umwandlung einer Erd- und Stein-Art in die andere. (Tract.) 8vo. *Berlin*, 1792.

——. Handbuch des oryktognostischen Theils der Mineralogie. 2 vols. 8vo. *Leipzig*, 1794.

——. La Orictognósia. Traducida por Don Christiano Herrgen. 2 vols. 8vo. *Madrid*, 1797–98.

Widmann (Alphons von). See Widmann (Hermann von).

Widmann (Hermann von). Erläuterungen zur geognostischen Karte Tyrols, und Schlussbericht der administrativen Direction des geognostisch-montanistischen Vereines für Tyrol und Vorarlberg; mit Mittheilungen von M. Stotter, J. Trinker, und A. von Widmann. (Tract.) 4to. *Innsbruck*, 1853.

Wiebel (K. W. M.). Die Insel Helgoland. Untersuchungen über deren Grösse in Vorzeit und Gegenwart, vom Standpunkte der Geschichte und Geologie. (Tract.) 4to. *Hamburg*, 1848.

Wiechmann (C. M.). Paläontologische Mittheilungen I.–III. (Tract.) 8vo. *Neubrandenburg*, 1870.

——. See Koch (F. E.).

Wiedersheim (Robert). *Labyrinthodon Rütimeyeri*. Ein Beitrag zur Anatomie von Gesammtskelet und Gehirn der triassichen Labyrindonten. (Schw. paläont. Gesellschaft.) 4to. *Basle* and *Geneva*, 1878.

Wiedman (—). Essai d'une nouvelle Minéralogie. Traduit par M. Dreux *fils*. 2 copies. 8vo. *Paris*, 1771.

Wiener (Charles). Pérou et Bolivie, récit de voyage suivi d'études archéologiques et éthnographiques et de notes sur l'écriture et les langues des populations indiennes. 8vo. *Paris*, 1880.

Wilckens (Christian Friedrich). Nachricht von seltenen Versteinerungen, vornemlich des Thier-Reiches, etc. 2 copies.
8vo. *Berlin* and *Stralsund*, 1769.

Wild (François Sam.). Essai sur la montagne salifère du Gouvernement d'Aigle, situé dans le canton de Berne. 8vo. *Geneva*, 1788.

——. Versuch über das Salzgebürge im Gouvernement Aelen, aus dem Franz. übersetzt von Johann Christian Quantz, und mit einer Vorrede begleitet von Christoph Ludwig Arnold Wille. 8vo. *Nuremberg*, 1793.

Wild (H.). See HELMERSEN (Gregor von).

Wild (John James). A Letter to Lord Brougham and Vaux, containing proposals for a scientific exploration of Egypt and Ethiopia. (Tract.)
8vo. *London*, 1850.

Wilde (W. R.). See MUSEUMS: DUBLIN. Royal Irish Academy.

Wilkes (Charles). See UNITED STATES: Exploring Expedition, 1838–1842.

Wilkinson (C. T.). See NEW SOUTH WALES.

Wilkinson (James John Garth). See SWEDENBORG (Emanuel).

Wille (Christoph Ludwig Arnold). See WILD (Fr. Sam.).

Willemöes-Suhm (Rudolf von). See 'CHALLENGER' EXPEDITION.

Williams (D.). Plausible reasons and positive proofs, showing that no portion of the Devonian System can be of the age of the Old Red Sandstone. (Tract.) 8vo. *London*, 1842.

Williams (D. H.). A Geological Report on the Damoodah Valley. (Tract.) 2 copies. 8vo. *London*, 1850.

——. A Geological Report on the Kymore Mountains, the Ramghur Coal-fields, and on the Manufacture of Iron, etc. etc. (Tract.)
8vo. *Calcutta*, 1852.

——. A Geological Report on the Damoodah Valley. (Tract.)
8vo. *Calcutta*, 1853.

Williams (Edward), **Mudge** (William), **Dalby** (Isaac), and **Colby** (Thomas). An account of the Trigonometrical Survey carried on in the years 1791–1809. 3 vols. (From the Philosophical Transactions.)
4to. *London*, 1796–1811.

Williams (John). The Natural History of the Mineral Kingdom. 2 vols. 2 copies. 8vo. *Edinburgh*, 1789.

——. ——. 2nd edition. 2 vols. 8vo. *Edinburgh*, 1810.

Williams (John). A Narrative of Missionary Enterprises in the South Sea Islands; with remarks upon the Natural History of the Islands, etc. 8vo. *London*, 1841.

Williams (John Evelyn). The Steamship; its Form, Strength, and Propeller. 8vo. *London*, 1875.

Williams (Robert). See REPORTS, PARLIAMENTARY: Collieries.

Williamson (Ezekiel). See PLANT (John).

Williamson (R. S.). On the use of the Barometer on Surveys and Reconnaissances. 4to. *New York*, 1868.

Williamson (William Crawford). On the recent Foraminifera of Great Britain. [Ray Society.] 4to. *London*, 1845.

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Willis and **Sotheran.** Catalogue of upwards of fifty thousand volumes of ancient and modern books, etc. 8vo. *London*, 1862.

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Winch (Nath. John). An Essay on the Geographical Distribution of Plants through the Counties of Northumberland, Cumberland, and Durham. (Tract.) 8vo. *Newcastle*, 1819.

——. Remarks on the Distribution of the Indigenous Plants of Northumberland and Durham, as connected with the geological structure of those counties. (Tract.) 4to. *Newcastle*, 1830.

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Winchell (Alexander). Descriptions of Fossils from the Marshall and Huron Groups of Michigan. (Tract.) 8vo. *Philadelphia*, 1862.

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——. Description of Elephantine molars in the Museum of the University [of Michigan]. (Tract.) 8vo. *Montreal*, 1863.

Winchell (Alexander). Descriptions of Fossils from the Yellow Sandstones lying beneath the "Burlington Limestone," at Burlington, Iowa. (Tract.) 8vo. *Philadelphia*, 1863.

——. Notice of a small collection of Fossils from the Potsdam Sandstone of Wisconsin and the Lake Superior Sandstone of Michigan. (Tract.) 8vo. *New Haven*, 1864.

——. On the origin of the Prairies of the Valley of the Mississippi. (Tract.) 8vo. *New Haven*, 1864.

——. Descriptions of new species of Fossils from the Marshall Group of Michigan, and its supposed equivalents in other States; with notes on some fossils of the same age previously described. (Tract.) 2 copies. 8vo. *Philadelphia*, 1865.

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——. Appendix to a Report on the Grand Traverse Region. (Tract.) 8vo. *Ann Arbor*, 1866.

——. Man the last term of the Organic Series. (Tract.) 8vo. *Ann Arbor*, 1867.

——. Statement of operations in the Museum of the University of Michigan, in the department of "Geology, Zoology, and Botany," etc., for the year ending September 24, 1868. (Tract.) 8vo. *Ann Arbor*, 1868.

——. Notices and descriptions of Fossils from the Marshall Group of the Western States, with notes on fossils from other formations. (Tract.) 8vo. *Philadelphia*, 1870.

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Winchell (N. H.). Reports on the Counties of Sandusky, Seneca, Wyandot and Marion, Ohio. (Tract.) 8vo. *Ann Arbor*, 1871.

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——. Notes on the Drift Soils of Minnesota. (Tract.) 8vo. *St. Paul*, 1873.

——. On the Hamilton in Ohio. (Tract.) 8vo. *New Haven*, 1874.

——. Report concerning the Salt Spring Lands, due to the State of Minnesota. (Tract.) 8vo. *St. Paul*, 1874.

——. The Devonian Limestones in Ohio. (Tract.) 8vo. *Salem*, 1874.

——. The Drift Deposits of the North-west. (Tract.) 8vo. *New York*, 1873.

——. Vegetable remains in Drift Deposits in the North-west. (Tract.) 8vo. *Salem*, 1875.

——. On the Parallelism of Devonian Outcrops in Michigan and Ohio. (Tract.) 8vo. *Salem* (imp.), 1876.

——. See SURVEYS: MINNESOTA.

Winchelsea (*Lord*). See ETNA.

Winckelman (*Abbé*). Critical account of the situation and destruction by the First Eruptions of Mount Vesuvius, of Herculaneum, Pompeii, and Stabia, etc. 8vo. *London*, 1771.

Winckler (T. C.). Description d'un crinoïde et d'un poisson du système heersien. (Tract.) 8vo. *Haarlem*, 1869.

——. Des tortues fossiles conservées dans le Musée Teyler et dans quelques autres Musées. 8vo. *Haarlem*, 1869.

——. Description d'un nouvel exemplaire de *Pterodactylus micronyx* du Musée Teyler. (Tract.) 8vo. *Haarlem*, 1870.

——. Mémoire sur le *Belonostomus pygmæus* et de deux espèces de *Caturus*. (Tract.) 8vo. *Haarlem*, 1871.

——. Mémoire sur le *Cœlacanthus harlemensis*. (Tract.) 8vo. *Haarlem*, 1871.

——. Le *Plesiosaurus delichodeirus*, Conyb., du Musée Teyler. (Tract.) 8vo. *Haarlem*, 1873.

—— Mémoire sur des dents de poissons du terrain bruxellien. (Tract.) 8vo. *Haarlem*, 1873.

Winckler (T. C.). Note sur une nouvelle espèce de *Lepidotus*. (Tract.) 8vo. *Liége*, 1873.

——. Deuxième mémoire sur des dents de poissons fossiles du terrain bruxellien. (Tract.) 8vo. *Haarlem*, 1874.

——. Le *Pterodactylus Kochi* du Musée Teyler. (Tract.) 8vo. *Haarlem*, 1874.

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——. Description de quelques restes de poissons fossiles des terrains triasiques des environs de Wurzbourg. (Tract.) 8vo. *Haarlem*, 1880.

——. Mémoire sur les poissons fossiles des lignites de Sieblos. (Tract.) 8vo. *Haarlem*, 1880.

——. Note sur quelques dents de poissons fossiles de l'oligocène inférieur et moyen du Limbourg. (Tract.) 8vo. *Haarlem*, 1880.

——. See Museums: Haarlem.

Wing (Augustus). See Dana (James Dwight).

Winnertz (Johann). Beitrag zu einer Monographie der Sciarinen. [Beilage von der k.-k. zool.-botan. Gesellsch. in Wien.] 8vo. *Vienna*, 1867.

Winslow (C. F.). The Cooling Globe; or the Mechanics of Geology. (Tract.) 8vo. *Boston*, 1865.

Wisconsin. Its Natural Resources and Industrial Progress. (Tract.) 8vo. *Madison, Wis.*, 1862.

Wislizenus (A.). Memoir of a Tour to Northern Mexico, connected with Col. Doniphan's Expedition. (Tract.) 8vo. *Washington*, 1848.

Wissmann (H. L.). See Münster (Georg *Graf* zu).

Witham (Henry). A description of a Fossil Tree, discovered in the Quarry at Craigleith, near Edinburgh. (Tract.) 4to. *Newcastle*, 1831.

——. Observations on Fossil Vegetables. 2 vols. 4to. *London*, 1831.

——. On the *Lepidodendron Harcourtii*. (Tract.) 4to. *Newcastle*, 1832.

Witt (Henry M.). Chemical examination of certain Lakes and Springs on the Turko-Persian Frontier near Mount Ararat. (Tract.) 8vo. *London*, 1856.

Witton. Section of the Strata sunk through to the second Bed of Rock-salt at Witton, near Northwick, Cheshire. (Tract.) 8vo. *London*, 1812.

Wittwor (L. O.). Outline of Geology, with a map. 2nd edition. 8vo. *London*, 1847.

——. Geological Tour through England and Wales: and a geological sketch of the Isle of Wight. 8vo. *Manchester*, 1849.

Woldřich (Joh. N.). Hercynische Gneissformation bei Gross-zdikan im Böhmerwald. (Tract.) 8vo. *Vienna*, 1875.

Wolf (Heinrich). Bericht über die geologische Aufnahme im Körösthale in Ungarn im Jahre 1860. (Tract.) 8vo. *Vienna*, 1863.

——. Die barometrischen Höhenbestimmungen der k.-k. geologischen Reichsanstalt in den Jahren 1858, 1859 und 1860. (Tract.) 4to. *Vienna*, 1863.

Wolf (Heinrich). Die Stadt und Umgebung von Olmütz. (Tract.) 8vo. *Vienna*, 1863.

——. Bericht über die geologische Aufnahme im östlichen Böhmen. Erster Theil. (Tract.) 8vo. *Vienna*, 1864.

Wolf (R.). Notizen zur Geschichte der Mathematik und Physik in der Schweiz. (Tract.) 8vo. *Berne*, 1851.

Wolf (Theodor). Ein Besuch der Galápagos-Inseln. (Tract.) 2 copies. 8vo. *Heidelberg*, 1879.

Wolfart (Peter). Historiæ naturalis Hassiæ inferioris. Pars prima. Fol. *Cassel*, 1719.

Wolfe (James). See Admiralty Publications.

Wollaston (Thomas Vernon). See British Museum.

Wollaston (William Hyde). On a new metal found in crude Platina. (Tract.) 4to. *London*, 1804.

——. A description of a Reflective Goniometer. (Tract.) 4to. *London*, 1809.

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Wolley (John). Notice of an Ice-carried Boulder at Borgholm. (Tract.) 8vo. *London*, 1856.

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Wonfor (T. W.). The Brighton Aquarium: what it has done for Science. (Tract.) 2 copies. 4to. *Brighton*, 1875.

Wood (Edward). On a new Genus of Crinoides, discovered in the Mountain Limestone of Swaledale, Yorkshire; with a description of the genus by L. de Koninck. (Tract.) 8vo. *London*, 1858.

——. Notes of a Geological Tour in Wharfedale. (Tract.) 8vo. *London*, 1859.

——. See Plues (Margaret).

Wood (H. H.). On the Theory of Development and the Antiquity of Man. (Tract.) 8vo. *London*, 1865.

Wood (Nicholas). Parliamentary Evidence on Accidents in Mines. (Tract.) 8vo. *London*?, 1835–36.

——. Obituary notice of the late Nicholas Wood, Esq., President of the North of England Institute of Mining Engineers. (Tract.) 8vo. *Hexham*, 1865.

Wood (Searles Valentine). A Catalogue of Shells from the Crag. (Tract.) 8vo. *London*, 1840.

——. Descriptive Catalogue of the Zoophytes from the Crag. (Tract.) 8vo. *London*, 1844.

——. A Monograph of the Crag Mollusca, with descriptions of Shells from the Upper Tertiaries of the British Isles. 3 vols. and supplement. [Palæontographical Society.] 4to. *London*, 1848–74.

——. A Monograph of the Eocene Bivalves of England. Vol. I. and Supplement. [Palæontographical Society.] 4to. *London*, 1861–71.

——. See Prestwich (Joseph).

Wood (Searles Valentine, Jun.). On the form and distribution of the Land-tracts during the Secondary and Tertiary Periods respectively, etc. (Tract.) 8vo. *London*, 1862.

——. On the Belgian equivalents of the Upper and Lower Drift of the Eastern Counties. (Tract.) 8vo. *London*, 1864.

——. On the Formation of the River- and other Valleys of the East of England. (Tract.) 8vo. *London*, 1864.

——. On the Red Crag, and its relation to the Fluvio-marine Crag, and on the Drift of the Eastern Counties. (Tract.) 8vo. *London*, 1864.

——. Remarks in explanation of the Map of the Upper Tertiaries of the Counties of Norfolk, Suffolk, Essex, Middlesex, Hereford, Cambridge, Huntingdon, and Bedford, with parts of those of Buckingham and Lincoln, and accompanying sections. (Tract.) 8vo. *London*, 1865.

——. A Memoir in explanation of the structure of the Glacial and Post-glacial beds, mapped in a Geological Survey of the Ordnance Sheets Nos. 1 and 2. Fol. (Manuscript).

Wood (Sutton Thomas). A Treatise on Gypsum, on its various uses, and on its Application as a Manure. (Tract.) 8vo. *London*, 1807.

Wood (W.). Index Testaceologicus: or a Catalogue of Shells, British and Foreign, arranged according to the Linnean System. 8vo. *London*, 1818.

Woods (Henry). Description of the Fossil Skull of an Ox discovered in May, 1838, at Melksham, Wilts; with a geological sketch of the River Avon, in the bed of which it was found. (Tract.) 4to. *London*, 1839.

Woods (Julian Edmund Tenison-). Geological Observations in South Australia. 2 copies. 8vo. *London*, 1862.

——. A history of the Discovery and Exploration of Australia. 2 vols. 8vo. *London*, 1865.

——. Report on the Geology and Mineralogy of the South-eastern District of the Colony of South Australia. (Tract.) 8vo. *Adelaide*, 1866.

——. History of Australian Tertiary Geology.—Notes on the Tertiary Fossils, Tasmania. (Tract.) 8vo. *Hobart Town*, 1876.
See also Johnston (R. M.).

——. On a new genus of Nudibranchiata, Fam. Elysiadæ, and on some Tasmanian Patellidæ. (Tract.) 8vo. *Hobart Town*, 1876.

——. On some new Tasmanian Marine Shells (2nd series): also on a new reversed Tasmanian Helix (*Helix Weldii*). (Tract.) 8vo. *Hobart Town*, 1876.

——. Census, with brief descriptions, of the Marine Shells of Tasmania and the adjacent Islands. (Tract.) 8vo. *Hobart Town*, 1878.

Woodward (Bernard Barham). See Cheadle (R. W.).

Woodward (Henry). On a new Chart of Fossil Crustacea. (Tract.) 8vo. *London*, 1865.

——. A Monograph of the British Fossil Crustacea belonging to the order Merostomata. [Palæontographical Society.] 4to. *London*, 1866–78.

——. British Fossils. (Tract.) 8vo. *London*, 1870.

Woodward (Henry). Address . . . Geologists' Association . . . at the opening of the Session 1873–74. (Tract.) 8vo. *London*, 1873.

——. Address . . . Geologists' Association . . . at the opening of the Session 1874–75. (Tract.) 8vo. *London*, 1874.

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——. A Sketch of the Geology of Surrey. (Tract.) 8vo. *London*, 1876.

——. The Geology of England and Wales. 8vo. *London*, 1876.

——. A Memoir of Samuel Woodward. (Tract.) 8vo. *Norwich*, 1879.

——. See SERIALS, ETC., NORWICH, Science Gossip Club; and SURVEYS, ENGLAND AND WALES.

Woodward (John). An Essay toward a Natural History of the Earth and Terrestrial Bodies, especially Minerals, etc. 8vo. *London*, 1695.

——. Naturalis Historia Telluris. (Tract.) 8vo. *London*, 1714.

——. An Essay towards a Natural History of the Earth and Terrestrial Bodyes, especially Minerals, etc. 3rd edition. 8vo. *London*, 1723.

——. The Natural History of the Earth, illustrated, inlarged, and defended. Written originally in Latin: and now first made *English* by Benj. Holloway. 8vo. *London*, 1726.

——. Fossils of all kinds digested into a method suitable to their mutual relation and affinity. 8vo. *London*, 1728.

——. An attempt towards a Natural History of England. 2 vols. 8vo. *London*, 1728–29.

*** Vol. ii. is dated 1728 and Vol. i. 1729.

——. An attempt towards a Natural History of the Fossils of England; in a Catalogue of the English Fossils in the collection of J. Woodward, M.D. 8vo. *London*, 1729.

——. A Catalogue of the Foreign Fossils in the collection of J. Woodward, M.D. 8vo. *London*, 1825?

Woodward (Samuel). Biographical Notice. See WOODWARD (Horace B.).

——. A synoptical table of British organic remains. 4to. *London* and *Norwich*, 1830.

——, **Ewing** (W. C.), and **Turner** (Dawson). The Norfolk Topographer's Manual. 8vo. *London*, 1842.

Woodward (S. P.). A Manual of the Mollusca, or a rudimentary treatise of recent and fossil shells. 8vo. *London*, 1851–56.

Woodward (S. P.). A Manual of the Mollusca: a treatise on Recent and Fossil Shells. 2nd edition. [12mo. *London*, 1866.] With an Appendix containing such recent and fossil shells as are not mentioned in the second edition, by Ralph Tate. 12mo. *London*, 1868.

——. On the Structure and Affinities of the Hippuritidæ. (Tract.) 8vo. *London*, 1855.

——. Some account of *Barrettia*, a new and remarkable shell from the Hippurite Limestone of Jamaica. (Tract.) 2 copies. 8vo. *London*, 1862.

——. On *Echinothuria floris*, a new and anomalous Echinoderm from the Chalk of Kent. (Tract.) 8vo. *London*, 1863.

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——. Shells of the Newer Pliocene or Norwich Crag. (Tract.) 8vo. *Sheffield*, 1864.

——. See M'Andrew (Robert); and Surveys, Great Britain.

Woolhouse (W. S. B.). Tables of Continental Lineal and Square Measures. (Tract.) 8vo. *London*, 1836.

Wormley (T. G.). See Surveys: Ohio.

Worms (Henry). The Earth and its Mechanism. 8vo. *London*, 1862.

Worsaae (J.). See Forchhammer (G.).

Worth (R. N.). The Bone Caves of the Plymouth District. (Tract.) 8vo. *Plymouth*, 1879.

Worthen (A. H.). See Surveys: Illinois.

Wrede (E. G. F.). Geologische Resultate aus Beobachtungen über einen Theil der südbaltischen Länder. 8vo. *Halle*, 1794.

Wright (Chauncey). Darwinism: being an Examination of Mr. St. George Mivart's 'Genesis of Species.' (Tract.) 8vo. *London*, 1871.

Wright (J. R.). On the Secondary Formations in the neighbourhood of Ludlow. (Tract.) 8vo. *London*, 1832.

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Wright (Thomas). On the Early History of Leeds, in Yorkshire, etc. (Tract.) 8vo. *Leeds*, 1864.

Wright (Thomas, M.D.). A Stratigraphical Account of the Section from Round-Tower Point to Alum Bay, on the North-west Coast of the Isle of Wight. (Tract.) 8vo. *London*, 1850.

——. On Fossil Echinoderms. 8vo. *London*, 1851–55.

——. Contributions to the Palæontology of the Isle of Wight. (Tract.) 8vo. *London*, 1852.

——. A Monograph on the British Fossil Echinodermata from the Oolitic Formations. [Palæontographical Society.] 4to. *London*, 1856–80.

——. A Monograph on the British Fossil Echinodermata from the Cretaceous Formations. [Palæontographical Society.] 4to. *London*, 1864 *etc.*

——. On the Correlation of the Jurassic Rocks in the Department of the Côte-d'Or, France, with the Oolitic Formations in the Counties of Gloucester and Wilts, England. 2 copies. 8vo. *Gloucester*, 1872.

Wright (Thomas, M.D.). Monograph on the Lias Ammonites of the British Islands. [Palæontographical Society.] 4to. *London*, 1878.

Wronski (Höené). A Course of Mathematics. (Tract.) 8vo. *London*, 1821.

Wrottesley (Lord). Speech on Lieut. Maury's Plan for Improving Navigation, &c. 2nd edition. (Tract.) 8vo. *London*, 1853.

——. Address delivered at the Anniversary Meeting of the Royal Society, December 1856. (Tract.) 8vo. *London*, 1856.

——. Address delivered at the Anniversary Meeting of the Royal Society, November 1857. (Tract.) 8vo. *London*, 1857.

——. Address to the British Association, Oxford, 1860. (Tract.) 8vo. *London*, 1860.

Würtenburger (Leopold). Studien über die Stammesgeschichte der Ammoniten. Ein geologischer Beweis für die Darwin'sche Theorie. 8vo. *Leipzig*, 1880.

Wyatt (James). On the Flint Implements in the Drift, discovered near Bedford. (Tract.) 8vo. *Bedford*, 1861.

——. Flint Implements in the Drift. Notice of Discoveries in the neighbourhood of Bedford. (Tract.) 8vo. *Bedford*, 1862.

Wyld (James). Notes on the Distribution of Gold throughout the World. (Tract.) 8vo. *London*.

Wyley (Andrew). Report upon the Mineral and Geological Structure of South Namaqualand and the adjoining Mineral districts. Fol. *Cape Town*, 1857.

Wyman (Jeffries). Obituary Notice. See SERIALS, ETC.: BOSTON. Society of Natural History.

——. A description of two additional Crania of the Engé-ena (*Troglodytes gorilla*, Savage), from Gaboon, Africa. (Tract.) 8vo. *Boston*, 1849.

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——. See HALL (James).

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Wynne (Thomas). See REPORTS, PARLIAMENTARY. Mines.

Y.

Yandell (Lunsford P.) and **Shumard** (Benjamin F.). Contributions to the Geology of Kentucky. (Tract.) 8vo. *Louisville*, 1847.

Yarrell (William). A History of British Fishes. The first three sheets only. 1st edition. (Tract.) 8vo. *London*.

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Yellowstone National Park. Report by Mr. Dunnell. (Tract.) 8vo. *Washington*, 1872.

——. Report. [Accompanied by two maps. F. V. Hayden.] (Tract.) 8vo. *Washington*, 1872.

——. Report of the Superintendent for the Year 1872. 8vo. *Washington*, 1873.

Yellowstone River. See Raynolds (W. F.).

Yolland (William). See Surveys: Great Britain. Ordnance Survey.

York (Archbishop of). See Thomson (William).

Yorke (Philip). Researches on Silica. (Tract.) 4to. *London*, 1857.

Young (Edward). Special Report on Immigration; accompanying Information for Immigrants relative to the prices of Land, &c., in the Western and Southern States, &c. &c. 8vo. *Washington*, 1872.

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—— and **Bird** (John). A Geological Survey of the Yorkshire Coast. 4to. *Whitby*, 1822.

——. ——. 2nd edition. 4to. *Whitby*, 1828.

Young (John). Note on *Archæocidaris*, a Carboniferous Echinoderm with overlapping plates. (Tract.) 2 copies. 8vo. *Glasgow*, 1873.

——. See Howell (H. H.).

——. See British Association. Glasgow Guide-Books.

Yvert (—). See Delesse (Achille).

Z.

Zacatecas. Mines of Fresnillo. Statement of the Quantities of Ores raised, and of Silver produced, from the Mines of Fresnillo, working for account of the State of Zacatecas [Mexico], from Official Returns. (Tract.) Fol. *London*, 1834.

——. Notice of the Silver Mines of Fresnillo, in the State of Zacatecas, Mexico. (Tract.) 8vo. *London*, 1834.

Zagiell (J. T. Prince). Aperçu général des formations géologiques de l'Égypte, d'une partie de la Nubie et de l'Arabie Pétrée. 8vo. *Paris*, 1872.

Zahrtmann (Admiral). See ADMIRALTY PUBLICATIONS.

Zängerle (Max). Lehrbuch der Mineralogie. 8vo. *Brunswick*, 1876.

——. See HORNSTEIN (F. F.).

Żebrawski (T.). Wykaz zdrojowisk lekarskich Galicyi i Bukowiny. Dla objasnienia mappy tychżezdrojowisk nakladem towarzystwa naukowego Krakowskiego wydanéj. (Tract.) 8vo. *Cracow*, 1862.

Zehler (J. G.). Das Siebengebirge und seine Umgebungen. 8vo. *Crefeld*, 1837.

Zeiller (—). See HENWOOD (William Jory).

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Zeuschner (Ludwig). Opis geologiczny Szczawnicy i Szlachtowéj. (Tract.) 8vo. *Cracow*, 1840.

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——. O rozwoju Średniego ogniwa formacyi dewońskiej pomiędzy Grzegorzewicami a wioskami Skały i Zagage przy Nowéj Słupi pod górą Świętokrzyzka. (Tract.) 8vo. *Cracow*, 1868.

——. Ueber das Vorkommen von *Diceras arietina* in Korzetzko Chenciny. (Tract.) 8vo. *Berlin*, 1868.

——. Ueber den Dolomit im devonischen Gebirgszuge zwischen Sandomierz und Chenciny. (Tract.) 8vo. *St. Petersburg*, 1868.

——. Ueber die eigenthümliche Entwickelung der triasischen Formationen zwischen Brzeziny und Picrzehnica am südwestlichen Abhange des paläozoischen Gebirges zwischen Sandomierz und Chenciny. (Tract.) 8vo. *Berlin*, 1868.

——. Ueber die verschiedenen Formationen auf die sich der Jura in Polen abgesetzt hat. (Tract.) 8vo. *St. Petersburg*, 1868.

——. Die Gruppen und Abtheilungen des polnischen Juras, etc. (Tract.) 8vo. *Berlin*, 1869.

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——. Beschreibung neuer Arten oder eigenthümlich ausgebildeter Versteinerungen. (Tract.) 8vo. *Berlin*, 1870.

——. Einige Bemerkungen über die geognostische Karte von Oberschlesien, bearbeitet von Herrn Ferdinand Römer. (Tract.) 8vo. *Berlin*, 1870.

——. Rzut oka na skały warstwowe wchodzące do budowy Tatrów, i wzniesień od nich równoodleglych. (Tract.) 4to. *Cracow*.

——. Rzut oka na budowa geologiczna Tatrów i wzniesień od nich równoodleglych, tudzież porównanie ich skał warstwowych z Alpejskiemi. (Tract.) 8vo. *Cracow*.

——. Pomiar barometryczny żupy Bocheńskiej w Miesiacu marcu z 1843 Wykonamy. (Tract.) 8vo. *Cracow*.

Ziegler (J. M.). Sammlung absoluter Höhen der Schweiz. 8vo. *Zurich*, 1853.

Zieten (C. H. von). Die Versteinerungen Württembergs. Heft I. Fol. *Stuttgart*, 1830 *et seq.*

Zigno (Achille de). Sulla giacitura dei terreni di sedimento del Trivigiano. (Tract.) 2 copies. 8vo. *Padua*, 1841.

——. Introduzione allo studio della Geologia. Parte prima. 8vo. *Padua*, 1843.

Zigno (Achille de). Sopra due fossili rinvenuti nella calcarea dei monti padovani. (Tract.) 4to. *Padua*, 1845.
——. Intorno ai cenni del professore Tomaso Antonio Catullo sopra il sistema cretaceo delle Alpi venete. (Tract.) 8vo. *Padua*, 1846.
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——. Nouvelles observations sur les terrains crétacés des Alpes vénitiennes. (Tract.) 8vo. *Padua*, 1850.
——. Sui terreni jurassici delle Alpi venete e sulla flora fossile che li distingue. (Tract.) 8vo. *Padua*, 1852.
——. Flora fossilis formationis oolithicae. Le piante fossili dell' oolite. 2 vols. (very imperfect). 4to. *Padua*, 1856–73.
——. Sulla flora fossile dell' oolite. (Tract.) 4to. *Venice*, 1856.
——. Del terreno carbonifero delle Alpi venete. (Tract.) 8vo. *Venice*, 1858.
——. Prospetto dei terreni sedimentarii del Veneto. (Tract.) 2 copies. 8vo. *Venice*, 1858.
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——. Sopra un nuovo genere di Felce fossile. (Tract.) 8vo. *Venice*, 1861.
——. Sulla constituzione geologica dei Monti Euganei. (Tract.) 8vo. *Padua*, 1861.
——. Sulle piante fossili del trias di Recoaro raccolte dal Prof. A. Massalongo. (Tract.) 4to. *Venice*, 1862.
——. Sopra i depositi di piante fossili dell' America settentrionale, delle Indie, e dell' Australia, che alcuni autori riferirono all' epoca oolitica. (Tract.) 8vo. *Padua*, 1863.
——. Osservazioni sulle Felci fossili dell' Oolite, ed enumerazione delle specie finora rinvenute nei varii piani di quella formazione, etc. (Tract.) 8vo. *Padua*, 1865.
——. Descrizione di alcune Cicadeacee fossili rinvenute nell' oolite delle Alpi venete. (Tract.) 8vo. *Venice*, 1868.
——. Annotazioni paleontologiche. (Tracts.) 4to. *Padua* and *Venice*, 1870, 1874, 1875, 1876, 1878, 1879, and 1880.
——. Catalogo ragionato dei Pesci fossili del calcare eoceno di M. Bolca e M. Postale. 8vo. *Venice*, 1874.
——. Sui Mammiferi fossili del veneto. (Tract.) 8vo. *Padua*, 1875.
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——. Sopra un cranio di Coccodrillo scoperto nel terreno eocene del Veronese. (Tract.) 4to. *Rome*, 1880.
Zimmermann (Christian). Das Harzgebirge in besonderer Beziehung auf Natur- und Gewerbskunde geschildert. 8vo. *Darmstadt*, 1834.
Zimmermann (Eberhard August Wilhelm). Voyage à la nitrière naturelle qui se trouve à Molfetta, dans la terre di Bari en Pouille. (Tract.) 8vo. *Paris*, 1789.

Zimmermann (J. P.). Ueber einige der wichtigsten Culturpflanzen, und über ihren Einfluss auf die Gesittung und Wohlfahrt des Menschen. (Tract.) 8vo. *Wiesbaden*, 1840.

Zincken (J. K. L.). Systematische Uebersicht der Gänge und Lager des Harzes, welche metallführend sind. (Tract.) 4to. *Nuremberg*, 1844.

Zincken (C. F.). Die Braunkohle und ihre Verwendung. Erster Theil. Die Physiographie der Braunkohle. 8vo. *Hanover*, 1867.

Zippe (F. X. M.). Die Mineralien Böhmens, &c. (Tract.) 8vo. *Prague*, 1840.

Zirkel (Ferdinand). De geognostica Islandiæ constitutione observationes. 8vo. *Bonn*, 1861.

——. Lehrbuch der Petrographie. 2 vols. 8vo. *Bonn*, 1866.

——. Leucitgesteine im Erzgebirge. (Tract.) 8vo. *Halle*, 1869.

——. Untersuchungen über die mikroskopische Zusammensetzung und Structur der Basaltgesteine. 8vo. *Bonn*, 1870.

——. Mikromineralogische Mittheilungen. (Tracts.) 8vo. *Stuttgart*, 1870–72.

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——. Die mikroskopische Beschaffenheit der Mineralien und Gesteine. 8vo. *Leipzig*, 1873.

——. Die Zusammensetzung des Kersantons.—Die Structur der Variolite. (Tract.) 8vo. *Dresden*, 1875.

——. See Naumann (Carl Friedrich); Surveys, United States, Geological Survey of the Fortieth Parallel; and Vogelsang (Hermann).

Zittel (Karl Alfred). Die obere Nummulitenformation in Ungarn. (Tract.) 8vo. *Vienna*, 1862.

——. Die fossilen Bivalven der Gosaugebilde in den nordöstlichen Alpen. (Tract.) 8vo. *Vienna*, 1863.

——. Bivalven der Gosaugebilde in den nordöstlichen Alpen. Beitrag zur Charakteristik der Kreideformation in Oesterreich. Theil 1. 4to. *Vienna*, 1864–66.

——. Denkschrift auf Christ. Erich Hermann von Meyer. (Tract.) 2 copies. 8vo. *Munich*, 1870.

——. Ueber *Cœloptychium*. Ein Beitrag zur Kenntniss der Organisation fossiler Spongien. (Tract.) 4to. *Munich*, 1876.

——. Handbuch der Paläontologie, unter Mitwirkung von W. Ph. Schimper. Band I. Lieferung 1–3. Band II. Lieferung 1. (Tract.) 8vo. *Munich*, 1876–79.

——. Fossile Mollusken und Echinodermen aus Neu-Seeland; nebst Beiträgen von F. von Hauer und E. Suess. (Tract.) 4to. *Vienna*, 1866.

——. Studien über fossile Spongien. Abtheilung 1–3. (Tracts.) 4to. *Munich*, 1877–78.

——. Ueber den Brachial-Apparat bei einigen jurassischen Terebratuliden und über ein neue Brachiopodengattung *Dimerella*. (Tract.) 4to. *Cassel*, 1870.

Zittel (Karl Alfred). Beiträge zur Systematik der fossilen Spongien. 8vo. *Stuttgart*, 1879.

——. See GOUBERT (Emile); HÉBERT (Ed.); NOVARA EXPEDITION; and SERIALS, ETC.: STUTTGART. Museum des königl.-bayerischen Staates.

—— and **Hébert** (Ed.). L'étage tithonique. (Tract.) 4to. *Paris*, 1872.

Zollinger (Heinrich). Besteigung des Vulkanes Tambora auf der Insel Sumbawa, &c. (Tract.) 4to. *Winterthur*, 1855.

Zoological Nomenclature. Report of a Committee appointed [by the British Association] to consider of the rules by which the Nomenclature of Zoology may be established on a uniform and permanent basis. (Tract.) 8vo. *London*, 1842.

Zschau (E.). Ueber einen Monazit aus Norwegen. (Tract.) 8vo. *Dresden*, 1857.

Zschokke (T.). See MEYER (Johann Rudolf and Hieronymus).

Zuccarini (Joseph Gerhard). Obituary Notice. See MARTIUS (Carl Friedr. Phil. von).

——. On the Morphology of the Coniferæ. Translated by George Busk. [Ray Society.] 8vo. *London*, 1846.

Zuchold (Ernst A.). Bibliotheca Historico-Naturalis, Physico-Chemica, et Mathematica, oder systematisch geordnete Uebersicht der in Deutschland und dem Auslande auf dem Gebiete der gesammten Naturwissenschaften und der Mathematik neu erschienenen Bücher. (Tract.) 8vo. *Göttingen*, 1862.

Zversmann (Z.). ECTECTBEHHAR—Birds of Preuburg. 8vo. *Kasan*, 1866.

Zwingli (Heinrich). Die Foraminiferen des Schweizer-Jura. Dargestellt und herausgegeben von Dr. I. Kübler. 4to. *Winterthur*, 1870.

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East-India Association. *London.*
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Gesellsch. naturf. Freunde. *Berlin.*
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Haidinger's Abhandlungen. *Vienna.*
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Monthly Microscopical Journ. *London.*

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Notes on Books (Longmans'). *London.*
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Nuovi Ann. d. Sci. nat. *Bologna.*
Nyt Mag. for Naturvidenskaberne. *Christiania.*

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Paläontographica. *Cassel.*
Palæontographical Soc. *London.*
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